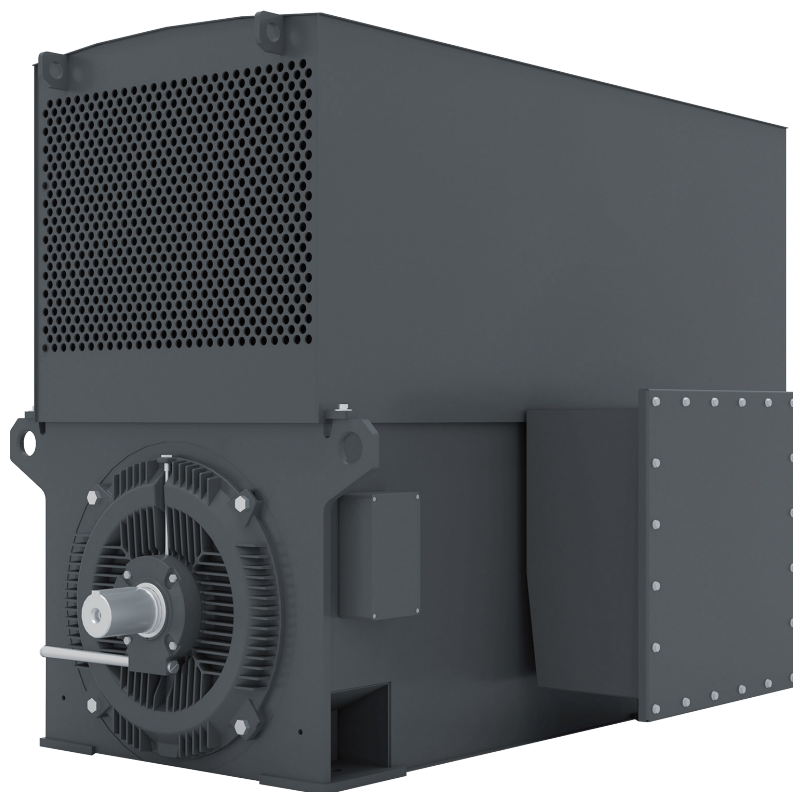


# 贝得高压高效三相异步电动机 BEIDE HV high efficiency three-phase asynchronous motor

产品样本 Catalogue  
2024.08





贝得 1Q.1 系列高压高效三相异步电机由茵梦达（天津）驱动技术有限公司生产。

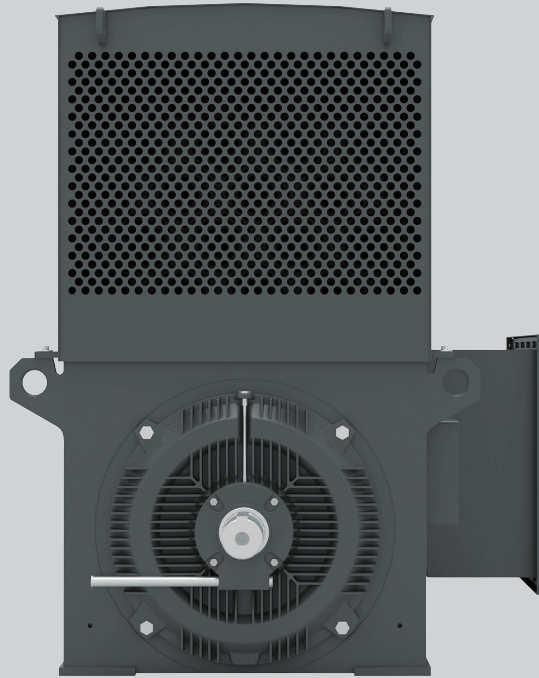
BEIDE 1Q.1 series HV high efficiency three-phase asynchronous motors are manufactured by Innomotics Large Motors (Tianjin) Ltd.



# 目录 Content

|                                                                        |    |
|------------------------------------------------------------------------|----|
| 概述 Overview .....                                                      | 4  |
| 产品基本信息 Product Basic Information .....                                 | 5  |
| 订货号描述 Order Number Description .....                                   | 6  |
| 技术特点 Technical Features .....                                          | 7  |
| 选件及说明 Options and Descriptions .....                                   | 11 |
| 选型技术数据表 Technical Data (IM B3 IC611 6 kV) .....                        | 14 |
| 外形及安装尺寸图 Outline and Installation Dimensions (IM B3 IC611 6 kV) .....  | 18 |
| 选型技术数据表 Technical Data (IM B3 IC611 10 kV) .....                       | 23 |
| 外形及安装尺寸图 Outline and Installation Dimensions (IM B3 IC611 10 kV) ..... | 27 |
| 选型技术数据表 Technical Data (IM B3 IC81W 6 kV) .....                        | 32 |
| 外形及安装尺寸图 Outline and Installation Dimensions (IM B3 IC81W 6 kV) .....  | 36 |
| 选型技术数据表 Technical Data (IM B3 IC81W 10 kV) .....                       | 41 |
| 外形及安装尺寸图 Outline and Installation Dimensions (IM B3 IC81W 10 kV) ..... | 45 |
| 选型技术数据表 Technical Data (IM B3 IC01 6 kV) .....                         | 50 |
| 外形及安装尺寸图 Outline and Installation Dimensions (IM B3 IC01 6 kV) .....   | 54 |
| 选型技术数据表 Technical Data (IM B3 IC01 10 kV) .....                        | 59 |
| 外形及安装尺寸图 Outline and Installation Dimensions (IM B3 IC01 10 kV) .....  | 63 |

# 概述 Overview



贝得 1Q.1 系列高压高效三相异步电动机是茵梦达推出的新一代模块化电动机产品，全系列电机效率满足中国能效二级（GB30254-2013），并使用久经验证的 MICALASTIC® 绝缘系统，具有高效节能、运行可靠、低噪音、结构紧凑等特点，可以广泛适用于风机、水泵、压缩机等各种机械设备。

BEIDE 1Q.1 series high-voltage and high-efficiency three-phase asynchronous motors is a new generation of modular motor products launched by INNOMOTICS. The efficiency of BEIDE 1Q.1 series meets China's Energy Efficiency standard grade 2 efficiency (GB30254-2013). This products uses the proven MICALASTIC® insulation system, and has the characteristics of energy efficiency, reliable operation, low noise, and compact structure. It can be widely used in various mechanical equipment such as fans, pumps, compressors.

# 产品基本信息 Product Basic Information

## 基本技术规格 Specifications

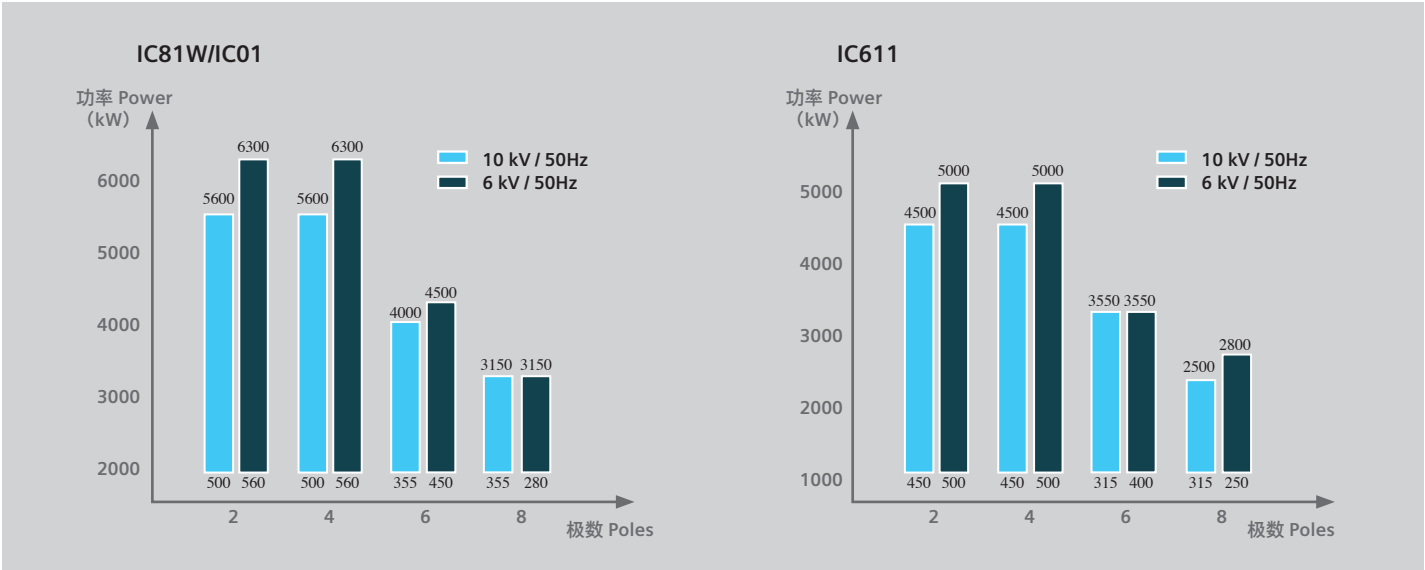
| 项目 / Items                  | 规格 / Features                                                   |
|-----------------------------|-----------------------------------------------------------------|
| 功率 / Power range (kW)       | 450 ~ 4500 （10kV IC611 4 极 / 4 poles）                           |
| 极数 / Poles                  | 2、4、6、8                                                         |
| 中心高 / Shaft height (mm)     | 355、400、450、500、560                                             |
| 电压 / Voltage                | 6 kV/50 Hz, 10 kV/50 Hz                                         |
| 热分级 / Thermal Class         | F 级绝缘，B 级温升 / Thermal class F, utilized to B                    |
| 冷却方式 / Cooling              | IC611, IC81W, IC01                                              |
| 防护等级 / Degree of protection | IP23, IP55                                                      |
| 壳体材料 / Frame material       | 钢板焊接 / Steel welded                                             |
| 安装方式 / Mounting             | IM B3                                                           |
| 效率 / Efficiency             | 能效二级（GB30254-2013） / Efficiency Grade 2 (GB30254-2013)          |
| 轴承 / Bearings               | 中国知名品牌（国外品牌可选） / Chinese local high-end（import brand as option） |

## 使用条件 Operating Conditions

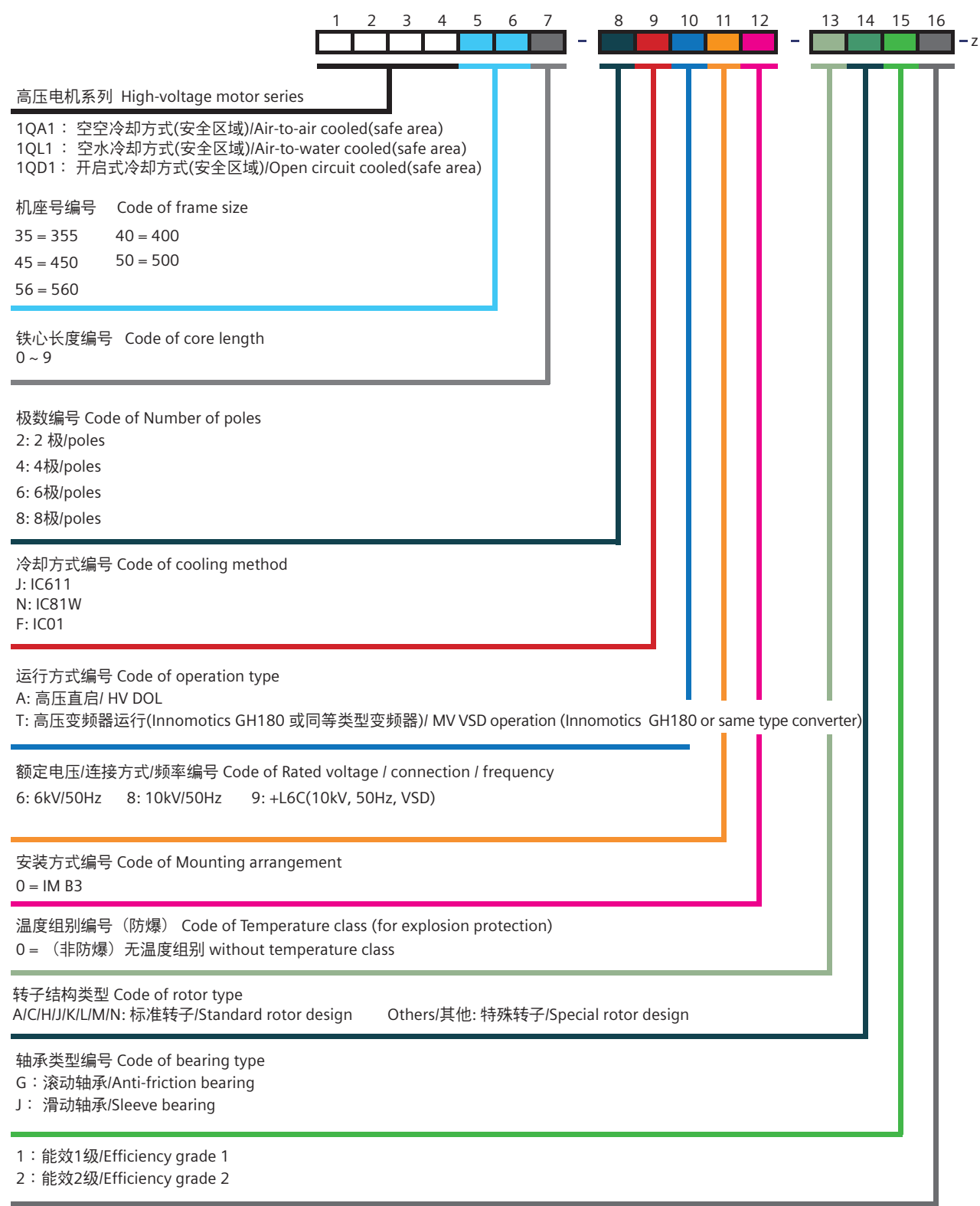
标准配置适用于以下工况条件 Standard configuration is suitable for the following working conditions

|                                 |                                    |
|---------------------------------|------------------------------------|
| 额定电压 / Rated Voltage            | 6/10 kV $\pm$ 5 %                  |
| 额定频率 / Rated Frequency          | 50 Hz $\pm$ 2 %                    |
| 环境温度 / Ambient Temperature      | -20 $^{\circ}$ C ~ 40 $^{\circ}$ C |
| 海拔高度 / Altitude above sea level | 不超过 1000 m / No higher than 1000 m |
| 工作制 / Duty Type                 | 连续工作制 S1 / Continuous operation S1 |

## 功率型谱 Power range



# 订货号描述 Order Number Description



# 技术特点 Technical Features

## 技术特点和优势 Technical features and customer benefits

| 特点<br>Features                                                                                  | 客户收益<br>Customer Benefits                                                                                                         |
|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| • 高效<br>High efficiency                                                                         | • 节能，降低运行成本<br>Energy saving, reduce operational cost                                                                             |
| • 茵梦达 MICALASTIC® 绝缘系统<br>INNOMOTICS MICALASTIC® Insulation system                              | • 可靠性高，寿命长，适用于不同海拔高不同负载特性的各种应用环境<br>High reliability, long life time, suitable for different load characteristics and environment |
| • VPI 浸漆<br>VPI impregnation                                                                    |                                                                                                                                   |
| • 轴承设计可靠性高，不停机加排油<br>High reliable bearing design, nonstop re-greasing and used grease disposal | • 低振动、寿命长、减少维护成本<br>Low vibration, long life time, minimum maintenance cost                                                       |
| • 结构紧凑，功率密度高<br>Compact structure, high power density                                           | • 节约设备空间<br>Space saving                                                                                                          |
| • 模块化结构设计<br>Modular design                                                                     | • 维护保养方便<br>Easy to maintain                                                                                                      |
| • 灵活的接线盒位置选择<br>Variable terminal box position                                                  | • 适应客户的不同需求<br>Help customer optimize the equipment layout                                                                        |
| • 丰富的选件，并可定制<br>Various options, possible for customization                                     | • 满足客户的各种功能性要求<br>Satisfy all the Functional requirements                                                                         |
| • 性能定制<br>Special design adaption                                                               | • 满足客户的特殊负载要求<br>Suitable for special load requirement                                                                            |
| • 变频设计<br>VSD design                                                                            | • 满足完美无谐波变频器供电<br>VSD operation is possible for Perfect Harmony converter                                                         |
| • 环境定制<br>Engineering possible for special working conditions                                   | • 满足特殊环境要求，如高海拔，腐蚀性环境等<br>Suitable for harsh conditions, e.g. high altitude, corrosive environment                                |

# 技术特点 Technical Features

## 绝缘系统

MICALASTIC® 绝缘系统是茵梦达专有高压绝缘技术，其可靠性已经各种严苛的运行环境所验证，在全世界得到广泛认可。

### MICALASTIC® 绝缘系统具有如下特点

- 极为严格的质量控制，每台机器都须经过全方位的测试
- 出色的电晕屏蔽
- 高机械强度，满足频繁起停和换向的要求
- 出色的热稳定性使电机绕组即使在极端环境下也能具有超常的寿命
- 对于热带湿热、化学腐蚀或多尘等苛刻运行环境有很好的防护

## Insulation system MICALASTIC®

MICALASTIC® is a INNOMOTICS exclusive technology for high voltage machines. Its reliability is proven in all kinds of harsh environment and is well accepted world wide by customers.

### Features of Insulation system

- Extremely tight quality control and all-round tests on each machine
- Outstanding corona shielding
- High mechanical strength for frequently switching and reversing load
- Extraordinary thermal endurance which ensures long winding lifetime - even under tough environment.
- Excellent protection against harsh conditions such as high temperature, high humidity, corrosive and dusty.

## 轴承配置 Bearing configuration

| 中心高<br>Shaft Height | 极数<br>Number of Poles | 驱动端<br>Drive End                                            | 非驱动端<br>Non-drive End             | 固定轴承位置<br>Located Bearing |
|---------------------|-----------------------|-------------------------------------------------------------|-----------------------------------|---------------------------|
| 355、400、450、500     | 2、4、6、8               | 深沟球轴承<br>Deep groove ball bearing                           | 深沟球轴承<br>Deep groove ball bearing | 驱动端<br>Drive end          |
| 500 ~ 560           | 2                     | 端盖式滑动轴承<br>Sleeve bearing                                   | 端盖式滑动轴承<br>Sleeve bearing         | 无<br>No                   |
| 560                 | 4、6、8                 | 圆柱滚子轴承 + 深沟球轴承<br>Roller bearing + Deep groove ball bearing | 圆柱滚子轴承<br>Roller bearing          | 驱动端<br>Drive end          |

## 轴承寿命

贝得 1Q.1 系列电机标配国内知名品牌滚动轴承，轴承额定寿命 L10h 绝大多数都超过 10 万小时。轴承额定寿命计算方法依据 ISO281.

## Bearing lifetime

BEIDE 1Q.1 series motor equipped with Chinese local famous brand anti-friction bearings, most of bearings rated lifetime L10h are exceed 100,000h. Bearing rating lifetime calculation method according to ISO281.

## 轴承润滑

贝得 1Q.1 系列卧式电机在两端都提供了注脂嘴和排脂装置，便于滚动轴承润滑。润滑脂数量和润滑间隔时间详见电机轴承铭牌。

## Bearing lubrication

BEIDE 1Q.1 series horizontal motor equipped grease nipples and grease remover at both end, for easy bearing lubrication. Lubricant amount and lubricate interval can be found on motor bearing rating plate.

## 附加轴向和径向载荷限制

电动机轴伸上不允许承受外加的轴向力和联轴器重量以外的径向力。

## Permissible radial and axial force on motor shaft

No axial force or additional radial forces other than the weight of coupling are allowed on motor shaft extension.



# 技术特点 Technical Features

## 电机选型

电机选型应考虑以下基本因素：

- 使用环境：环境温度、湿度、海拔高度等
- 被驱动设备的负载特性（曲线）及转动惯量
- 启动频率和允许电压降
- 工作制及其它特殊要求
- 温升考核
- 变频器类型
- 电机旋转方向
- 驱动联接方式
- 接线盒位置
- 可按下表考虑环境温度及海拔高度对电机输出功率的影响

环境温度及海拔高度对电机输出功率的影响

### IC611

| 冷却介质温度<br>CT [°C] | 海拔高度（米）<br>Installation altitude [m] above sea level |       |       |       |       |
|-------------------|------------------------------------------------------|-------|-------|-------|-------|
|                   | ≤1000                                                | ≤1500 | ≤2000 | ≤2500 | ≤3000 |
| 40                | 100 %                                                | 96 %  | 92 %  | o. r. | o. r. |
| 45                | 95 %                                                 | 91 %  | 86 %  | o. r. | o. r. |
| 50                | 90 %                                                 | 85 %  | 80 %  | o. r. | o. r. |
| 55                | 84 %                                                 | 78 %  | 73 %  | o. r. | o. r. |

o.r. : 按需求 / on request

## 振动

贝得 1Q.1 系列电机满足 GB/T10068 标准规定的 A 级振动要求。

## 噪音

贝得 1Q.1 系列电机通过优化的电气和机械设计，从而实现了优异的噪音水平。

## Motor Selection

Basic considerations when selecting a motor

- Ambient conditions: temperature, moisture, altitude
- Load characteristics (curve) and moment of inertia
- Starting frequency and allowable voltage drop
- Duty type and other special requirements
- Temperature rise
- Type of converter
- Direction of rotation
- Type of coupling
- The position of the terminal box
- Below table should be considered to calculate motor output with the impact of altitude and ambient temperature

Influence of ambient temperature and installation altitude

### IC81W / IC01

| 冷却介质温度<br>CT [°C]     | 海拔高度（米）<br>Installation altitude [m] above sea level |       |       |       |       |
|-----------------------|------------------------------------------------------|-------|-------|-------|-------|
|                       | ≤1000                                                | ≤1500 | ≤2000 | ≤2500 | ≤3000 |
| 25(IC81W) / 40 (IC01) | 100 %                                                | 96 %  | 93 %  | o. r. | o. r. |
| 30(IC81W) / 45 (IC01) | 96 %                                                 | 92 %  | 88 %  | o. r. | o. r. |
| 35(IC81W) / 50 (IC01) | 91 %                                                 | 87 %  | 83 %  | o. r. | o. r. |
| 40(IC81W) / 55 (IC01) | 86 %                                                 | 82 %  | 77 %  | o. r. | o. r. |

## Vibration

BEIDE 1Q.1 series motor fulfill grade A vibration according to GB/T10068.

## Noise level

BEIDE 1Q.1 series motor achieve outstanding noise level due to optimized electrical and mechanical design.

# 技术特点 Technical Features

## 主接线安装位置及进线规格

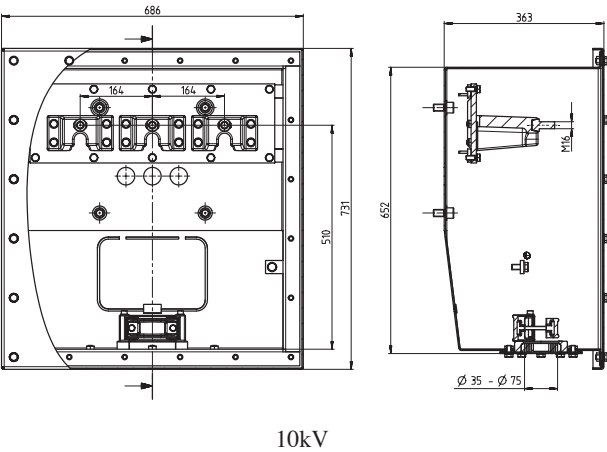
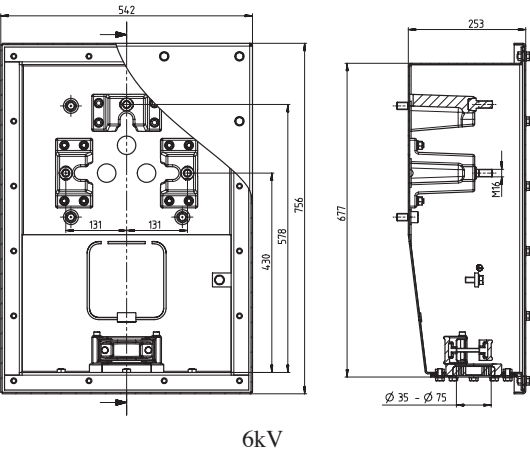
主接线盒位置为右后、左后（从驱动端看），也可根据客户要求特殊布置。

## Box and connection data

Main terminal box can be placed on right hand side at NDE, or left hand side at NDE(viewed from DE). It can also be placed acc. to customer special requirement.

## 主接线盒与进线规格参数 Main terminal box and cable entry specifications

| 防护等级<br>IP protection<br>degree | 主端子数量<br>Number of<br>main terminals | 接线螺栓规格<br>size of terminals | 外部电缆直径<br>cable diameter<br>(mm) | 最大导体截面积<br>max. conductor cross<br>sectional area<br>(mm <sup>2</sup> ) | 主电缆入口<br>数量规格<br>number of main<br>cable entries |
|---------------------------------|--------------------------------------|-----------------------------|----------------------------------|-------------------------------------------------------------------------|--------------------------------------------------|
| IP55                            | 3                                    | M16                         | 75                               | 300                                                                     | 1 根 3 芯电缆<br>1 triplex cable                     |



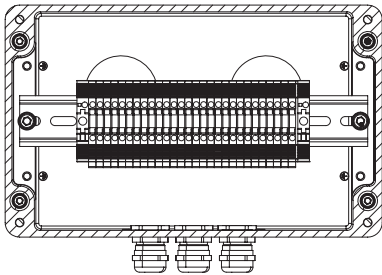
## 辅助接线盒

1Q.1 系列电机默认提供一个辅助接线盒，默认安装在右前方（从驱动端看）。

## Auxiliary terminal box

1Q.1 series default equipped with one auxiliary terminal box, it place on right side at DE as default.

| 防护等级<br>IP protection degree | 最大端子个数<br>Max. number of terminal blocks | 格兰头规格<br>Cable gland size |
|------------------------------|------------------------------------------|---------------------------|
| IP66                         | 36                                       | 3xM20x1.5                 |



# 选件及说明 Options and Descriptions

| 选件号 / Option Code                                     | 描述 / Description                                                                                                                                                                  |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 绕组或轴承温度检测 / Winding or bearing temperature monitoring |                                                                                                                                                                                   |
| A40                                                   | 2 个测温电阻 PT100, 3 线制, 用于滚动轴承<br>2 resistance thermometers PT100 for 3-wire connection for antifriction bearings                                                                    |
| A41                                                   | 2 个测温电阻 PT100, 3 线制, 用于滑动轴承<br>2 resistance thermometers PT100 for 3-wire connection for sleeve bearings                                                                          |
| A42                                                   | 2 个双支测温电阻 PT100, 3 线制, 用于滚动轴承<br>2 double resistance thermometers PT100 for 3-wire connection for antifriction bearings                                                           |
| A43                                                   | 2 个双支测温电阻 PT100, 3 线制, 用于滑动轴承<br>2 double resistance thermometers PT100 for 3-wire connection for sleeve bearings                                                                 |
| A44                                                   | 1 个测温电阻 PT100, 3 线制, 用于冷风<br>1 resistance thermometer PT100 for 3 wire connection for cold air                                                                                    |
| A45                                                   | 1 个测温电阻 PT100, 3 线制, 用于热风<br>1 resistance thermometer PT100 for 3 wire connection for warm air                                                                                    |
| A65*                                                  | 6 个定子绕组测温电阻 PT100, 3 线制, 不含浪涌保护<br>6 embedded resistance thermometers PT100 for 3-wire connection without surge limiter(standard)                                                 |
| P78                                                   | 6 个双支定子绕组测温 PT100, 3 线制, 不含浪涌保护<br>6 embedded double resistance thermometers PT100 for 3-wire connection without lightning arresters                                              |
| A46                                                   | 1 个双支测温电阻 PT100, 3 线制, 用于冷风<br>1 double resistance thermometer PT100 for 3-wire for cold air                                                                                      |
| A47                                                   | 1 个双支测温电阻 PT100, 3 线制, 用于热风<br>1 double resistance thermometer PT100 for 3-wire for warm air                                                                                      |
| 轴承 / Bearings                                         |                                                                                                                                                                                   |
| L27                                                   | 非驱动端绝缘轴承<br>Insulated NDE bearing                                                                                                                                                 |
| K27                                                   | SKF 轴承<br>SKF bearing                                                                                                                                                             |
| H43                                                   | DIN 法兰, 滑动轴承强制润滑进出油管 (不含配对法兰)<br>DIN flange version for circulating-oil lubrication for inlet and outlet without instruments (without mating flange)                              |
| L60                                                   | 滑动轴承强制润滑替代自润滑<br>Circulating oil lubrication (circulation cooling) instead of ring lubrication                                                                                    |
| L66                                                   | 滑动轴承自润滑, 但准备切换为强制润滑<br>Ring lubrication, but with prepared for later switchover to circulating lubrication                                                                        |
| P44                                                   | 滑动轴承强制润滑不锈钢公共油管 (不含配对法兰)<br>Oil manifold made of stainless steel, connections without mating flange                                                                               |
| 接线盒 / Terminal Box                                    |                                                                                                                                                                                   |
| K09*                                                  | 从驱动端 (DE) 看, 主接线盒位于右侧, 靠近非驱动端 (NDE), 辅助接线盒位于右侧靠近驱动端 (DE)<br>Viewed from DE, main terminal box is on right side, close to NDE, auxiliary terminal box is on right side close to DE |
| K10                                                   | 从驱动端 (DE) 看, 主接线盒位于左侧, 靠近非驱动端 (NDE), 辅助接线盒位于左侧靠近驱动端 (DE)<br>Viewed from DE, main terminal box is on left side, close to NDE, auxiliary terminal box is on left side close to DE   |
| T20                                                   | 中性点接线盒, 最高6.6kV, 3个端子<br>Neutral point terminal box, max. 6.6 kV, 3 terminals                                                                                                     |
| T21                                                   | 中性点接线盒, 最高11kV, 3个端子<br>Neutral point terminal box, max. 11 kV, 3 terminals                                                                                                       |
| M52                                                   | 辅助接线盒用于抗冷凝加热器<br>Separate auxiliary box terminal for heater                                                                                                                       |
| Q74                                                   | 接线盒防护等级IP56<br>Terminal box IP 56                                                                                                                                                 |

\* 默认配置 default configuration

# 选件及说明 Options and Descriptions

| 选件号 / Option Code                                                | 描述 / Description                                                             |
|------------------------------------------------------------------|------------------------------------------------------------------------------|
| 安装环境 / Installation environment                                  |                                                                              |
| D06                                                              | 海拔高度 1500 m<br>1500 m above sea level                                        |
| D07                                                              | 海拔高度 2000 m<br>2000 m above sea level                                        |
| D11                                                              | 冷却空气温度 45 °C<br>Cooling air temp. 45 °C                                      |
| D12                                                              | 冷却空气温度 50 °C<br>Cooling air temp. 50 °C                                      |
| D13                                                              | 冷却空气温度 ≤ 55 °C<br>Cooling air temp. ≤ 55 °C                                  |
| D15                                                              | 对于水冷电机，冷却水温 30 °C<br>Cooling water temperature 30 °C for water cooled motors |
| D16                                                              | 对于水冷电机，冷却水温 35 °C<br>Cooling water temperature 35 °C for water cooled motors |
| D17                                                              | 对于水冷电机，冷却水温 40 °C<br>Cooling water temperature 40 °C for water cooled motors |
| 喷漆及防腐保护 / Paint finish and anticorrosion protection <sup>1</sup> |                                                                              |
| Y53                                                              | 非标准颜色喷涂 <sup>2</sup><br>Non-standard color paint finish                      |
| K24                                                              | Without coating, but primed<br>没有面漆，只涂底漆                                     |
| K62                                                              | 特殊喷涂厚度<br>Special painting thickness                                         |
| K63                                                              | WF1 户外防中等腐蚀型<br>WF1 outdoor middle corrosion protection                      |
| K64                                                              | WF2 户外防强腐蚀型<br>WF2 outdoor high corrosion protection                         |
| 抗冷凝加热器 / Anti-condensation heater                                |                                                                              |
| M12                                                              | 抗冷凝加热器，电压 110-120 V<br>Anti-condensation heater: Voltage 110-120 V           |
| M13                                                              | 抗冷凝加热器，电压 220-240 V<br>Anti-condensation heater: Voltage 220-240 V           |
| L08                                                              | 抗冷凝加热器，电压 380-415 V<br>Anti-condensation heater: Voltage 380-415 V           |

<sup>1</sup> 贝得 1Q.1 系列默认满足户外防轻腐蚀型（W）及热带湿热型（TH）  
BEIDE 1Q.1 series default fulfill outdoor light corrosion protection(W) and tropical humid type(TH)

<sup>2</sup> 贝得 1Q.1 系列默认喷漆颜色 RAL7011  
BEIDE 1Q.1 series default painting color RAL7011

# 选件及说明 Options and Descriptions

| 选件号 / Option Code                          | 描述 / Description                                                                                                                                            |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>机械设计 / Mechanical design</b>            |                                                                                                                                                             |
| Y55                                        | 非标准驱动端轴伸，更长，更短或者更细 (仅当技术可行)<br>Non-standard drive-side shaft end longer, shorter or thinner than normal (if technically feasible)                           |
| P67                                        | 每侧轴承预留三个 (水平，竖直和轴向) M8振动传感器安装螺纹孔 (不包含振动传感器)<br>Three M8 threads per side(horizontal, vertical and axial) for vibration sensor mounting(sensor not included) |
| K51                                        | 整机防护等级IP56<br>Degree of protection for complete motor                                                                                                       |
| K97 *                                      | (仅针对 IC611 电机) 顺时针旋转 (从驱动端看)<br>(Only for IC611 motor) Clockwise (viewed from DE )                                                                          |
| K98                                        | (仅针对 IC611 电机) 逆时针旋转 (从驱动端看)<br>(Only for IC611 motor) Counter clockwise (viewed from DE)                                                                   |
| L31                                        | 电机安装在钢基础上用的固定螺栓、顶起螺栓、垫片及圆锥销<br>Machine mounting material for steel foundation incl. fixing and jacking screws, shims and tapered pins                       |
| P45                                        | 不锈钢外部螺栓<br>Stainless steel external bolts                                                                                                                   |
| Q92                                        | 不锈钢垫片<br>Shims made of stainless steel                                                                                                                      |
| <b>其他监测装置 / Other monitoring equipment</b> |                                                                                                                                                             |
| H08                                        | 水冷却器漏水监测器<br>Water leakage monitoring for water cooler                                                                                                      |
| <b>测试 / Tests</b>                          |                                                                                                                                                             |
| F01                                        | 工厂出厂试验，客户见证<br>Factory Routine Test, witnessed                                                                                                              |
| F04                                        | 负载温升测试<br>Temperature rise test under load                                                                                                                  |
| F05                                        | 负载温升测试, 客户见证<br>Temperature rise test under load, witnessed                                                                                                 |
| F18                                        | 记录负载特性曲线<br>Recording the load characteristic                                                                                                               |
| F19                                        | 记录负载特性曲线，客户见证<br>Recording the load characteristic, witnessed                                                                                               |
| F82                                        | 对卧式电机进行包括发热试验的型式试验<br>Type test with heat run for horizontal motors, without acceptance                                                                     |
| F83                                        | 对卧式电机进行包括发热试验的型式试验，客户见证<br>Type test with heat run for horizontal motors, witnessed                                                                         |
| <b>铭牌 / Name Plate</b>                     |                                                                                                                                                             |
| Y82                                        | 5个以内客户指定内容的附加铭牌 (需提供文字描述)<br>Up to 5 additional plates for customer data (indicate quantity and text)                                                       |
| <b>文档 / Documents</b>                      |                                                                                                                                                             |
| B15                                        | 改造项目<br>Retrofit                                                                                                                                            |
| B38                                        | 推荐备件清单<br>Document: spare parts recommendation                                                                                                              |
| B43                                        | 制造工作一览表<br>Document: manufacturing sequence chart, one-time creation                                                                                        |

\* 默认配置 default configuration



# 选型技术数据表 Technical Data

## 2 极 6 kV 50 Hz IC611

| 订货号<br>Order No.    | 额定功率<br>Rated power<br>$P_N$ | 额定转速<br>Rated speed<br>$n_N$ | 额定电流<br>Rated current<br>$I_N$ | 效率<br>Efficiency | 功率因数<br>Power factor | 额定转矩<br>Rated torque<br>$T_N$ | 颠覆转矩<br>Breakdown torque<br>$T_{max} / T_N$ | 堵转转矩<br>Locked-rotor torque<br>$T_{st} / T_N$ | 堵转电流<br>Locked-rotor current<br>$I_{st} / I_N$ | 冷却空气流量<br>Cooling air flow | 转动惯量<br>Moment of Inertia |                                           |
|---------------------|------------------------------|------------------------------|--------------------------------|------------------|----------------------|-------------------------------|---------------------------------------------|-----------------------------------------------|------------------------------------------------|----------------------------|---------------------------|-------------------------------------------|
|                     |                              |                              |                                |                  |                      |                               |                                             |                                               |                                                |                            | 转子<br>Rotor               | 最大外拖 <sup>1)</sup><br>External max. perm. |
|                     | kW                           | r/min                        | A                              | %                |                      | Nm                            |                                             |                                               |                                                | m³/s                       | kg m²                     | kg m²                                     |
| 1QA1 350-2JA60-0AG2 | 500                          | 2963                         | 58                             | 94.7             | 0.88                 | 1611                          | 2.25                                        | 0.6                                           | 4.8                                            | 2                          | 3                         | 45                                        |
| 1QA1 352-2JA60-0AG2 | 560                          | 2965                         | 64                             | 95               | 0.89                 | 1804                          | 2.4                                         | 0.65                                          | 5.2                                            | 2                          | 3.5                       | 45                                        |
| 1QA1 354-2JA60-0AG2 | 630                          | 2963                         | 71                             | 95               | 0.9                  | 2030                          | 2.4                                         | 0.65                                          | 5.2                                            | 2                          | 3.5                       | 40                                        |
| 1QA1 356-2JA60-0AG2 | 710                          | 2962                         | 80                             | 95.3             | 0.9                  | 2289                          | 2.4                                         | 0.7                                           | 5.3                                            | 2                          | 4                         | 40                                        |
| 1QA1 400-2JA60-0AG2 | 800                          | 2974                         | 92                             | 95.3             | 0.88                 | 2569                          | 2.4                                         | 0.6                                           | 5.6                                            | 3.3                        | 6                         | 65                                        |
| 1QA1 402-2JA60-0AG2 | 900                          | 2975                         | 103                            | 95.5             | 0.88                 | 2889                          | 2.55                                        | 0.65                                          | 5.8                                            | 3.3                        | 6.5                       | 65                                        |
| 1QA1 404-2JA60-0AG2 | 1000                         | 2972                         | 113                            | 95.5             | 0.89                 | 3213                          | 2.45                                        | 0.7                                           | 5.6                                            | 3.3                        | 7                         | 60                                        |
| 1QA1 406-2JA60-0AG2 | 1120                         | 2970                         | 127                            | 95.7             | 0.89                 | 3601                          | 2.35                                        | 0.65                                          | 5.4                                            | 3.3                        | 7.5                       | 60                                        |
| 1QA1 408-2JA60-0AG2 | 1250                         | 2973                         | 141                            | 95.8             | 0.89                 | 4015                          | 2.65                                        | 0.75                                          | 5.9                                            | 3.3                        | 8                         | 60                                        |
| 1QA1 453-2JA60-0JG2 | 1400                         | 2976                         | 158                            | 95.9             | 0.89                 | 4492                          | 2.4                                         | 0.55                                          | 5.5                                            | 3.8                        | 9.9                       | 50                                        |
| 1QA1 454-2JA60-0AG2 | 1600                         | 2976                         | 180                            | 96               | 0.89                 | 5133                          | 2.4                                         | 0.55                                          | 5.5                                            | 3.8                        | 10.6                      | 55                                        |
| 1QA1 457-2JA60-0AG2 | 1800                         | 2976                         | 200                            | 96.1             | 0.9                  | 5778                          | 2.4                                         | 0.55                                          | 5.5                                            | 4                          | 11.5                      | 55                                        |
| 1QA1 458-2JA60-0AG2 | 2000                         | 2977                         | 220                            | 96.3             | 0.9                  | 6419                          | 2.5                                         | 0.6                                           | 5.6                                            | 4                          | 12.7                      | 60                                        |
| 1QA1 507-2JA60-0KG2 | 2240                         | 2975                         | 245                            | 96.6             | 0.91                 | 7183                          | 3.1                                         | 0.85                                          | 6.3                                            | 4.2                        | 17.6                      | 84                                        |
| 1QA1 507-2JA60-0JG2 | 2500                         | 2975                         | 275                            | 96.6             | 0.91                 | 8029                          | 2.8                                         | 0.75                                          | 5.6                                            | 4.2                        | 17.6                      | 58                                        |
| 1QA1 508-2JA60-0HG2 | 2800                         | 2980                         | 300                            | 96.9             | 0.92                 | 8975                          | 2.75                                        | 0.85                                          | 5.7                                            | 4.2                        | 26.6                      | 150                                       |
| 1QA1 562-2JA60-0HJ2 | 3150                         | 2984                         | 345                            | 96.4             | 0.91                 | 10085                         | 2.6                                         | 0.7                                           | 5.9                                            | 6.6                        | 41.2                      | 270                                       |
| 1QA1 563-2JA60-0CJ2 | 3550                         | 2984                         | 390                            | 96.6             | 0.91                 | 11367                         | 2.55                                        | 0.65                                          | 5.7                                            | 6.6                        | 44                        | 270                                       |
| 1QA1 564-2JA60-0CJ2 | 4000                         | 2983                         | 440                            | 96.5             | 0.91                 | 12814                         | 2.45                                        | 0.65                                          | 5.5                                            | 8.3                        | 47                        | 275                                       |
| 1QA1 567-2JA60-0CJ2 | 4500                         | 2984                         | 485                            | 96.6             | 0.92                 | 14407                         | 2.6                                         | 0.65                                          | 5.9                                            | 8.2                        | 51.8                      | 275                                       |
| 1QA1 568-2JA60-0CJ2 | 5000                         | 2986                         | 540                            | 96.8             | 0.92                 | 15993                         | 2.85                                        | 0.65                                          | 5.9                                            | 8.2                        | 57.8                      | 295                                       |

- <sup>1)</sup> 直接起动时的最大外部转动惯量是基于以下条件：
- 三次冷起/两次热起（中心高450、500为两次冷起/一次热起）
  - 起动电压不小于 0.9 倍额定电压  $U_N$
  - 负载转矩与转速成平方关系
  - 额定速度时负载阻转矩不应超过额定转矩  $T_N$  的 60%

上述电气参数为典型值，具体保证值可根据需求提供。

- <sup>1)</sup> The maximum external moment of inertia for direct online starting is based on the following conditions:
- Three starts from cold or two starts from warm (SH450,500 is two starts from cold or one starts from warm)
  - The starting voltage is not less than 0.9 x rated voltage  $U_N$
  - The load torque increases approximately according to a square- law with the speed
  - The load torque at rated speed should not exceed 60 %

The electrical parameters listed above are typical values. The guaranteed values can be provided on request.

# 选型技术数据表 Technical Data

## 4 极 6 kV 50 Hz IC611

| 订货号<br>Order No.    | 额定功率<br>Rated power<br>$P_N$ | 额定转速<br>Rated speed<br>$n_N$ | 额定电流<br>Rated current<br>$I_N$ | 效率<br>Efficiency | 功率因数<br>Power factor | 额定转矩<br>Rated torque<br>$T_N$ | 颠覆转矩<br>Breakdown torque<br>$T_{max} / T_N$ | 堵转转矩<br>Locked-rotor torque<br>$T_{st} / T_N$ | 堵转电流<br>Locked-rotor current<br>$I_{st} / I_N$ | 冷却空气流量<br>Cooling air flow | 转动惯量<br>Moment of Inertia |                                           |
|---------------------|------------------------------|------------------------------|--------------------------------|------------------|----------------------|-------------------------------|---------------------------------------------|-----------------------------------------------|------------------------------------------------|----------------------------|---------------------------|-------------------------------------------|
|                     |                              |                              |                                |                  |                      |                               |                                             |                                               |                                                |                            | 转子<br>Rotor               | 最大外拖 <sup>1)</sup><br>External max. perm. |
|                     | kW                           | r/min                        | A                              | %                |                      | Nm                            |                                             |                                               |                                                | m³/s                       | kg m²                     | kg m²                                     |
| 1QA1 350-4JA60-0AG2 | 500                          | 1482                         | 60                             | 94.7             | 0.85                 | 3222                          | 2.35                                        | 0.7                                           | 5.1                                            | 1.9                        | 5.8                       | 220                                       |
| 1QA1 352-4JA60-0AG2 | 560                          | 1482                         | 67                             | 94.9             | 0.85                 | 3608                          | 2.35                                        | 0.75                                          | 5.1                                            | 1.9                        | 6.1                       | 235                                       |
| 1QA1 354-4JA60-0AG2 | 630                          | 1481                         | 74                             | 95               | 0.86                 | 4062                          | 2.5                                         | 0.85                                          | 5.4                                            | 1.9                        | 6.7                       | 215                                       |
| 1QA1 356-4JA60-0AG2 | 710                          | 1484                         | 85                             | 95.2             | 0.84                 | 4569                          | 2.8                                         | 0.95                                          | 5.8                                            | 1.9                        | 7.4                       | 300                                       |
| 1QA1 358-4JA60-0AG2 | 800                          | 1484                         | 96                             | 95.3             | 0.84                 | 5148                          | 2.85                                        | 1.05                                          | 5.8                                            | 1.9                        | 8.1                       | 310                                       |
| 1QA1 400-4JA60-0AG2 | 900                          | 1485                         | 108                            | 95.4             | 0.84                 | 5787                          | 2.45                                        | 0.9                                           | 5.6                                            | 3.5                        | 11.3                      | 440                                       |
| 1QA1 402-4JA60-0AG2 | 1000                         | 1485                         | 119                            | 95.5             | 0.85                 | 6431                          | 2.45                                        | 0.9                                           | 5.7                                            | 3.5                        | 12.1                      | 455                                       |
| 1QA1 404-4JA60-0AG2 | 1120                         | 1485                         | 133                            | 95.6             | 0.85                 | 7202                          | 2.5                                         | 0.9                                           | 5.7                                            | 3.5                        | 13.5                      | 500                                       |
| 1QA1 406-4JA60-0AG2 | 1250                         | 1486                         | 148                            | 95.8             | 0.85                 | 8033                          | 2.5                                         | 0.95                                          | 5.7                                            | 3.5                        | 14.8                      | 530                                       |
| 1QA1 454-4JA60-0JG2 | 1400                         | 1485                         | 160                            | 95.8             | 0.88                 | 9008                          | 2.75                                        | 0.85                                          | 6                                              | 4.5                        | 18.6                      | 345                                       |
| 1QA1 457-4JA60-0JG2 | 1600                         | 1485                         | 180                            | 96.1             | 0.89                 | 10293                         | 2.75                                        | 0.85                                          | 6                                              | 4.4                        | 22.2                      | 410                                       |
| 1QA1 458-4JA60-0AG2 | 1800                         | 1485                         | 200                            | 96.2             | 0.89                 | 11581                         | 2.75                                        | 0.85                                          | 6                                              | 4.4                        | 24.3                      | 410                                       |
| 1QA1 503-4JA60-0JG2 | 2000                         | 1486                         | 220                            | 96.3             | 0.9                  | 12866                         | 2.4                                         | 0.85                                          | 5.4                                            | 6.2                        | 37                        | 560                                       |
| 1QA1 504-4JJ60-0AG2 | 2240                         | 1485                         | 245                            | 96.3             | 0.91                 | 14415                         | 2.4                                         | 0.9                                           | 5.4                                            | 6.2                        | 40.5                      | 605                                       |
| 1QA1 508-4JA60-0JG2 | 2500                         | 1489                         | 275                            | 96.7             | 0.91                 | 16066                         | 2.65                                        | 0.95                                          | 6                                              | 6.2                        | 50.5                      | 795                                       |
| 1QA1 508-4JA60-0HG2 | 2800                         | 1491                         | 310                            | 96.8             | 0.9                  | 17936                         | 2.95                                        | 0.75                                          | 6.2                                            | 6.2                        | 62.5                      | 865                                       |
| 1QA1 563-4JA60-0CG2 | 3150                         | 1492                         | 351                            | 96.9             | 0.89                 | 20161                         | 2.3                                         | 0.6                                           | 5.6                                            | 6.3                        | 164.9                     | 680                                       |
| 1QA1 564-4JA60-0HG2 | 3550                         | 1491                         | 391                            | 97               | 0.9                  | 22736                         | 2.2                                         | 0.6                                           | 5.3                                            | 6.3                        | 185                       | 780                                       |
| 1QA1 566-4JA60-0HG2 | 4000                         | 1492                         | 440                            | 97.1             | 0.9                  | 25601                         | 2.45                                        | 0.75                                          | 6.1                                            | 6.3                        | 204.2                     | 780                                       |
| 1QA1 567-4JA60-0HG2 | 4500                         | 1492                         | 495                            | 97.2             | 0.9                  | 28801                         | 2.45                                        | 0.65                                          | 6                                              | 6.3                        | 223.9                     | 860                                       |
| 1QA1 568-4JA60-0CG2 | 5000                         | 1493                         | 549                            | 97.3             | 0.9                  | 31980                         | 2.7                                         | 0.75                                          | 6.5                                            | 6.3                        | 243                       | 830                                       |

- <sup>1)</sup> 直接起动时的最大外部转动惯量是基于以下条件：

  - 三次冷起/两次热起
  - 起动电压不小于 0.9 倍额定电压  $U_N$
  - 负载转矩与转速成平方关系
  - 一额定速度时负载阻转矩不应超过额定转矩  $T_N$  的 90%
- <sup>1)</sup> The maximum external moment of inertia for direct online starting is based on the following conditions:

  - Three starts from cold or two starts from warm
  - The starting voltage is not less than 0.9 x rated voltage  $U_N$
  - The load torque increases approximately according to a square- law with the speed
  - The load torque at rated speed should not exceed 90% rated torque  $T_N$

上述电气参数为典型值，具体保证值可根据需求提供

The electrical parameters listed above are typical values. The guaranteed values can be provided on request

# 选型技术数据表 Technical Data

## 6 极 6 kV 50 Hz IC611

| 订货号<br>Order No.    | 额定<br>功率<br>Rated power<br>$P_N$ | 额定<br>转速<br>Rated speed<br>$n_N$ | 额定<br>电流<br>Rated current<br>$I_N$ | 效率<br>Efficiency | 功率<br>因数<br>Power factor | 额定<br>转矩<br>Rated torque<br>$T_N$ | 颠覆转矩<br>Breakdown torque<br>$T_{max} / T_N$ | 堵转转矩<br>Locked-rotor torque<br>$T_{st} / T_N$ | 堵转电流<br>Locked-rotor current<br>$I_{st} / I_N$ | 冷却<br>空气流量<br>Cooling air flow | 转动惯量<br>Moment of Inertia |                                           |
|---------------------|----------------------------------|----------------------------------|------------------------------------|------------------|--------------------------|-----------------------------------|---------------------------------------------|-----------------------------------------------|------------------------------------------------|--------------------------------|---------------------------|-------------------------------------------|
|                     |                                  |                                  |                                    |                  |                          |                                   |                                             |                                               |                                                |                                | 转子<br>Rotor               | 最大外拖 <sup>1)</sup><br>External max. perm. |
|                     | kW                               | r/min                            | A                                  | %                |                          | Nm                                |                                             |                                               |                                                | m³/s                           | kg m²                     | kg m²                                     |
| 1QA1 350-6JA60-0AG2 | 400                              | 988                              | 48                                 | 94.9             | 0.84                     | 3866                              | 2                                           | 0.75                                          | 5.2                                            | 2.1                            | 10                        | 255                                       |
| 1QA1 352-6JA60-0AG2 | 450                              | 992                              | 56                                 | 95.1             | 0.82                     | 4332                              | 2.6                                         | 1.05                                          | 5.7                                            | 2.1                            | 10                        | 275                                       |
| 1QA1 354-6JA60-0AG2 | 500                              | 990                              | 61                                 | 95.1             | 0.83                     | 4823                              | 2.45                                        | 0.95                                          | 5.5                                            | 2.1                            | 11                        | 265                                       |
| 1QA1 356-6JA60-0AG2 | 560                              | 990                              | 68                                 | 95.2             | 0.83                     | 5402                              | 2.45                                        | 1                                             | 5.5                                            | 2.1                            | 12                        | 280                                       |
| 1QA1 400-6JA60-0AG2 | 630                              | 991                              | 77                                 | 95.3             | 0.83                     | 6071                              | 2.55                                        | 1                                             | 5.5                                            | 2.8                            | 16                        | 585                                       |
| 1QA1 402-6JA60-0AG2 | 710                              | 992                              | 86                                 | 95.4             | 0.83                     | 6835                              | 2.5                                         | 0.95                                          | 5.5                                            | 2.8                            | 18                        | 625                                       |
| 1QA1 404-6JA60-0AG2 | 800                              | 989                              | 95                                 | 95.5             | 0.85                     | 7724                              | 2.2                                         | 0.8                                           | 5.5                                            | 2.8                            | 20                        | 705                                       |
| 1QA1 406-6JA60-0AG2 | 900                              | 990                              | 108                                | 95.6             | 0.84                     | 8681                              | 2.3                                         | 0.9                                           | 5.5                                            | 2.8                            | 22                        | 805                                       |
| 1QA1 453-6JA60-0JG2 | 1000                             | 990                              | 118                                | 95.6             | 0.85                     | 9648                              | 2.4                                         | 0.85                                          | 5.5                                            | 3.7                            | 22.2                      | 850                                       |
| 1QA1 454-6JA60-0AG2 | 1120                             | 990                              | 132                                | 95.6             | 0.86                     | 10816                             | 2.4                                         | 0.85                                          | 5.5                                            | 3.7                            | 24.5                      | 875                                       |
| 1QA1 457-6JA60-0JG2 | 1250                             | 990                              | 146                                | 95.8             | 0.86                     | 12060                             | 2.55                                        | 0.85                                          | 5.6                                            | 3.7                            | 27.5                      | 1270                                      |
| 1QA1 458-6JA60-0JG2 | 1400                             | 991                              | 164                                | 96               | 0.86                     | 13501                             | 2.6                                         | 0.9                                           | 5.8                                            | 3.7                            | 31.2                      | 1290                                      |
| 1QA1 503-6JA60-0KG2 | 1600                             | 990                              | 210                                | 96.3             | 0.86                     | 15433                             | 2.5                                         | 0.9                                           | 5.3                                            | 5.3                            | 46.5                      | 1960                                      |
| 1QA1 503-6JA60-0JG2 | 1800                             | 990                              | 210                                | 96.2             | 0.86                     | 17362                             | 2.2                                         | 0.85                                          | 4.7                                            | 5.3                            | 46.5                      | 1670                                      |
| 1QA1 507-6JA60-0AG2 | 2000                             | 990                              | 230                                | 96.2             | 0.87                     | 19292                             | 2.15                                        | 0.9                                           | 4.7                                            | 5.2                            | 57.5                      | 1800                                      |
| 1QA1 508-6JA60-0JG2 | 2240                             | 990                              | 255                                | 96.4             | 0.87                     | 21606                             | 2.25                                        | 0.9                                           | 4.9                                            | 5.2                            | 63                        | 2470                                      |
| 1QA1 561-6JA60-0CG2 | 2500                             | 992                              | 290                                | 96.3             | 0.86                     | 24066                             | 1.9                                         | 0.6                                           | 5.5                                            | 6.1                            | 96.8                      | 2025                                      |
| 1QA1 563-6JA60-0HG2 | 2800                             | 993                              | 325                                | 96.6             | 0.86                     | 26927                             | 2                                           | 0.6                                           | 5.5                                            | 6.1                            | 113.1                     | 2540                                      |
| 1QA1 564-6JA60-0HG2 | 3150                             | 993                              | 365                                | 96.7             | 0.86                     | 30292                             | 2                                           | 0.6                                           | 5.5                                            | 6.1                            | 123.5                     | 2485                                      |
| 1QA1 568-6JA60-0HG2 | 3550                             | 994                              | 410                                | 97               | 0.86                     | 34105                             | 2.1                                         | 0.65                                          | 6                                              | 6                              | 150.6                     | 3430                                      |

<sup>1)</sup> 直接起动时的最大外部转动惯量是基于以下条件：

- 三次冷起/两次热起
- 起动电压不小于 0.9 倍额定电压  $U_N$
- 负载转矩与转速成平方关系
- 额定速度时负载阻转矩不应超过额定转矩  $T_N$  的 90%

上述电气参数为典型值，具体保证值可根据需求提供

<sup>1)</sup> The maximum external moment of inertia for direct online starting is based on the following conditions:

- Three starts from cold or two starts from warm
- The starting voltage is not less than 0.9 x rated voltage  $U_N$
- The load torque increases approximately according to a square-law with the speed
- The load torque at rated speed should not exceed 90% rated torque  $T_N$

The electrical parameters listed above are typical values. The guaranteed values can be provided on request

# 选型技术数据表 Technical Data

## 8 极 6 kV 50 Hz IC611

| 订货号<br>Order No.    | 额定功率<br>Rated power<br>$P_N$ | 额定转速<br>Rated speed<br>$n_N$ | 额定电流<br>Rated current<br>$I_N$ | 效率<br>Efficiency | 功率因数<br>Power factor | 额定转矩<br>Rated torque<br>$T_N$ | 颠覆转矩<br>Breakdown torque<br>$T_{max} / T_N$ | 堵转转矩<br>Locked-rotor torque<br>$T_{st} / T_N$ | 堵转电流<br>Locked-rotor current<br>$I_{st} / I_N$ | 冷却空气流量<br>Cooling air flow | 转动惯量<br>Moment of Inertia |                                           |
|---------------------|------------------------------|------------------------------|--------------------------------|------------------|----------------------|-------------------------------|---------------------------------------------|-----------------------------------------------|------------------------------------------------|----------------------------|---------------------------|-------------------------------------------|
|                     |                              |                              |                                |                  |                      |                               |                                             |                                               |                                                |                            | 转子<br>Rotor               | 最大外拖 <sup>1)</sup><br>External max. perm. |
|                     | kW                           | r/min                        | A                              | %                |                      | Nm                            |                                             |                                               |                                                | m³/s                       | kg m²                     | kg m²                                     |
| 1QA1 350-8JA60-0AG2 | 250                          | 742                          | 32                             | 93.5             | 0.8                  | 3217                          | 2.35                                        | 0.8                                           | 5.1                                            | 1.6                        | 9.5                       | 370                                       |
| 1QA1 352-8JA60-0AG2 | 280                          | 741                          | 36                             | 93.6             | 0.8                  | 3608                          | 2.3                                         | 0.8                                           | 5                                              | 1.6                        | 10                        | 450                                       |
| 1QA1 354-8JA60-0AG2 | 315                          | 741                          | 41                             | 93.9             | 0.79                 | 4059                          | 2.35                                        | 0.8                                           | 5                                              | 1.6                        | 10.5                      | 590                                       |
| 1QA1 356-8JA60-0AG2 | 355                          | 741                          | 45.5                           | 94               | 0.8                  | 4575                          | 2.3                                         | 0.8                                           | 5                                              | 1.6                        | 11.5                      | 530                                       |
| 1QA1 400-8JA60-0JG2 | 400                          | 743                          | 54                             | 94.5             | 0.75                 | 5141                          | 2.55                                        | 0.85                                          | 5.3                                            | 2.1                        | 15                        | 840                                       |
| 1QA1 400-8JA60-0AG2 | 450                          | 743                          | 59                             | 94.5             | 0.78                 | 5784                          | 2.25                                        | 0.8                                           | 4.8                                            | 2.1                        | 15                        | 660                                       |
| 1QA1 402-8JA60-0AG2 | 500                          | 744                          | 65                             | 94.7             | 0.78                 | 6418                          | 2.25                                        | 0.8                                           | 4.8                                            | 2.1                        | 16                        | 710                                       |
| 1QA1 404-8JA60-0AG2 | 560                          | 744                          | 72                             | 94.9             | 0.79                 | 7188                          | 2.25                                        | 0.8                                           | 4.8                                            | 2.1                        | 18.5                      | 1110                                      |
| 1QA1 406-8JA60-0AG2 | 630                          | 744                          | 80                             | 95.2             | 0.8                  | 8086                          | 2.25                                        | 0.8                                           | 4.8                                            | 2.1                        | 21                        | 1400                                      |
| 1QA1 452-8JA60-0JG2 | 710                          | 740                          | 89                             | 95.1             | 0.81                 | 9164                          | 1.9                                         | 0.6                                           | 4.3                                            | 2.8                        | 24.8                      | 1970                                      |
| 1QA1 453-8JA60-0JG2 | 800                          | 740                          | 100                            | 95.2             | 0.81                 | 10324                         | 1.9                                         | 0.6                                           | 4.3                                            | 2.8                        | 27.8                      | 2210                                      |
| 1QA1 454-8JA60-0JG2 | 900                          | 740                          | 112                            | 95.3             | 0.81                 | 11618                         | 2                                           | 0.65                                          | 4.5                                            | 2.8                        | 31.3                      | 2470                                      |
| 1QA1 457-8JA60-0JG2 | 1000                         | 741                          | 126                            | 95.5             | 0.8                  | 12884                         | 2.2                                         | 0.7                                           | 4.8                                            | 2.7                        | 35.2                      | 2700                                      |
| 1QA1 458-8JA60-0AG2 | 1120                         | 741                          | 140                            | 95.5             | 0.81                 | 14441                         | 2.1                                         | 0.7                                           | 4.8                                            | 2.7                        | 39                        | 2760                                      |
| 1QA1 502-8JA60-0AG2 | 1250                         | 743                          | 152                            | 95.9             | 0.82                 | 16065                         | 2.15                                        | 0.8                                           | 4.3                                            | 3.9                        | 46                        | 2580                                      |
| 1QA1 503-8JA60-0AG2 | 1400                         | 742                          | 172                            | 96               | 0.82                 | 18018                         | 2.1                                         | 0.8                                           | 4.2                                            | 3.9                        | 51                        | 2660                                      |
| 1QA1 507-8JA60-0AG2 | 1600                         | 744                          | 194                            | 96.3             | 0.82                 | 20536                         | 2.35                                        | 0.95                                          | 4.8                                            | 3.9                        | 63                        | 3560                                      |
| 1QA1 508-8JA60-0AG2 | 1800                         | 743                          | 215                            | 96.4             | 0.83                 | 23134                         | 2.15                                        | 0.85                                          | 4.4                                            | 3.9                        | 69                        | 3520                                      |
| 1QA1 563-8JA60-0HG2 | 2000                         | 744                          | 240                            | 96.3             | 0.83                 | 25670                         | 2.3                                         | 0.65                                          | 5                                              | 4.5                        | 123.6                     | 3310                                      |
| 1QA1 564-8JA60-0CG2 | 2240                         | 745                          | 270                            | 96.5             | 0.83                 | 28712                         | 2.35                                        | 0.65                                          | 5.2                                            | 4.5                        | 136.6                     | 3790                                      |
| 1QA1 567-8JA60-0CG2 | 2500                         | 744                          | 295                            | 96.6             | 0.84                 | 32088                         | 2.25                                        | 0.6                                           | 5                                              | 4.5                        | 150.3                     | 4765                                      |
| 1QA1 568-8JA60-0CG2 | 2800                         | 745                          | 335                            | 96.8             | 0.83                 | 35890                         | 2.45                                        | 0.7                                           | 5.4                                            | 4.5                        | 164.6                     | 6325                                      |

- <sup>1)</sup> 直接起动时的最大外部转动惯量是基于以下条件：

  - 三次冷起/两次热起
  - 起动电压不小于 0.9 倍额定电压  $U_N$
  - 负载转矩与转速成平方关系
  - 额定速度时负载阻转矩不应超过额定转矩  $T_N$  的 90%
- <sup>1)</sup> The maximum external moment of inertia for direct online starting is based on the following conditions:

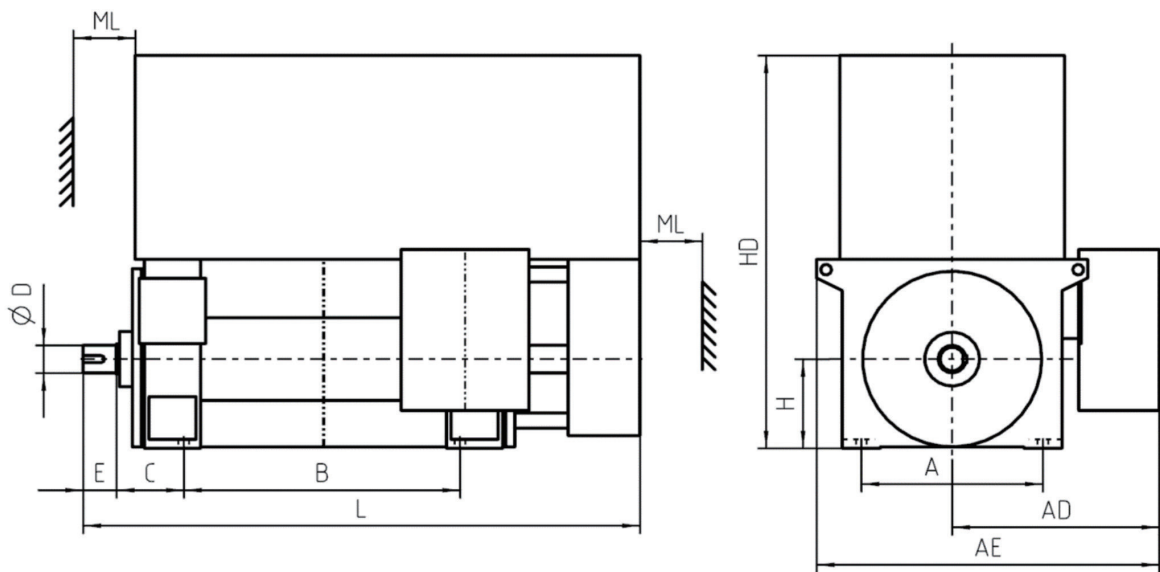
  - Three starts from cold or two starts from warm
  - The starting voltage is not less than 0.9 x rated voltage  $U_N$
  - The load torque increases approximately according to a square- law with the speed
  - The load torque at rated speed should not exceed 90% rated torque  $T_N$

上述电气参数为典型值，具体保证值可根据需求提供

The electrical parameters listed above are typical values. The guaranteed values can be provided on request

# 外形及安装尺寸图

## Outline and Installation Dimensions

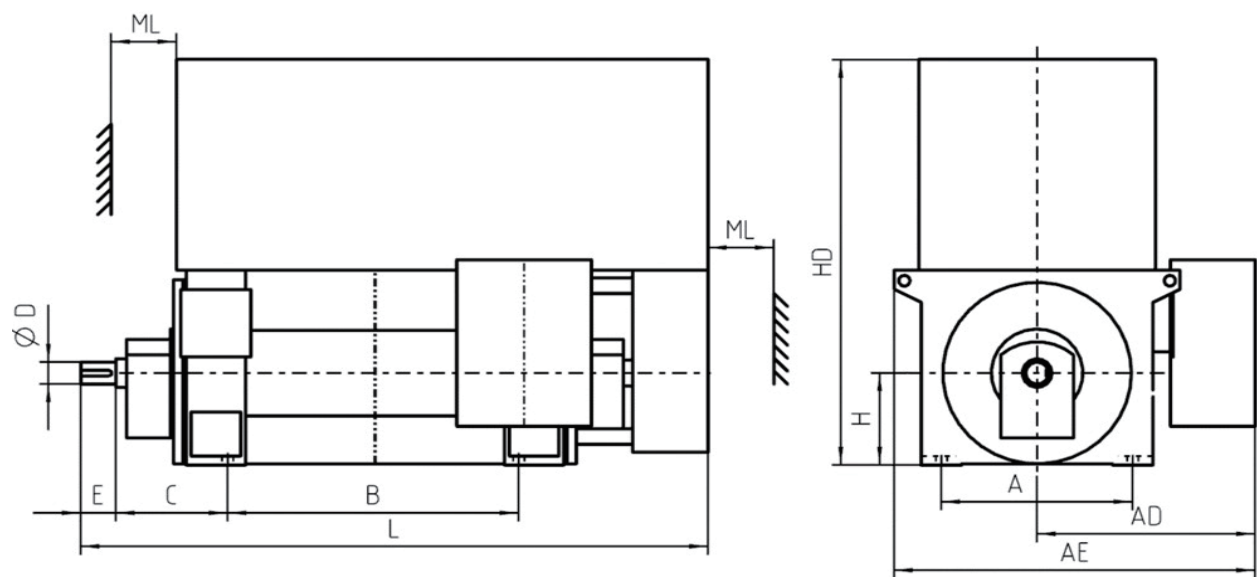


2 极 6 kV 50 Hz IC611

| 订货号<br>Order No.    | Total weight<br>电机总重 | Dimensions<br>尺寸 |      |      |      |     |     |     |     |      |      |     | Dyn. Foundation Loading<br>基础动态负荷 |                        |
|---------------------|----------------------|------------------|------|------|------|-----|-----|-----|-----|------|------|-----|-----------------------------------|------------------------|
|                     |                      | A                | AD   | AE   | B    | C   | D   | H   | E   | HD   | L    | ML  | tension up<br>向上                  | compression down<br>向下 |
|                     | kg                   | mm               |      |      |      |     |     |     |     |      |      |     | kN                                |                        |
| 1QA1 350-2JA60-0AG2 | 2350                 | 710              | 730  | 1305 | 1180 | 224 | 85  | 355 | 130 | 1630 | 2260 | 265 | -2.2                              | 25.2                   |
| 1QA1 352-2JA60-0AG2 | 2400                 | 710              | 730  | 1305 | 1180 | 224 | 85  | 355 | 130 | 1630 | 2260 | 265 | -5.1                              | 28.7                   |
| 1QA1 354-2JA60-0AG2 | 2450                 | 710              | 730  | 1305 | 1180 | 224 | 85  | 355 | 130 | 1630 | 2260 | 265 | -6.7                              | 30.7                   |
| 1QA1 356-2JA60-0AG2 | 2550                 | 710              | 730  | 1305 | 1180 | 224 | 85  | 355 | 130 | 1630 | 2260 | 265 | -9.1                              | 34.1                   |
| 1QA1 400-2JA60-0AG2 | 3050                 | 800              | 770  | 1400 | 1250 | 250 | 85  | 400 | 130 | 1735 | 2495 | 310 | -7.3                              | 37.2                   |
| 1QA1 402-2JA60-0AG2 | 3150                 | 800              | 770  | 1400 | 1250 | 250 | 85  | 400 | 130 | 1735 | 2495 | 310 | -11.0                             | 42.0                   |
| 1QA1 404-2JA60-0AG2 | 3250                 | 800              | 770  | 1400 | 1250 | 250 | 85  | 400 | 130 | 1735 | 2495 | 310 | -11.7                             | 43.6                   |
| 1QA1 406-2JA60-0AG2 | 3350                 | 800              | 770  | 1400 | 1250 | 250 | 85  | 400 | 130 | 1735 | 2495 | 310 | -13.5                             | 46.3                   |
| 1QA1 408-2JA60-0AG2 | 3450                 | 800              | 770  | 1400 | 1250 | 250 | 85  | 400 | 130 | 1735 | 2495 | 310 | -20.6                             | 54.5                   |
| 1QA1 453-2JA60-0JG2 | 4050                 | 850              | 1114 | 1848 | 1180 | 250 | 95  | 450 | 130 | 1890 | 2650 | 200 | -17.7                             | 57.5                   |
| 1QA1 454-2JA60-0AG2 | 4150                 | 850              | 1114 | 1848 | 1180 | 250 | 95  | 450 | 130 | 1890 | 2650 | 200 | -23.9                             | 64.6                   |
| 1QA1 457-2JA60-0AG2 | 4550                 | 850              | 1114 | 1848 | 1400 | 250 | 95  | 450 | 130 | 1890 | 2860 | 200 | -23.5                             | 68.1                   |
| 1QA1 458-2JA60-0AG2 | 4750                 | 850              | 1114 | 1848 | 1400 | 250 | 95  | 450 | 130 | 1890 | 2860 | 200 | -32.5                             | 79.1                   |
| 1QA1 507-2JA60-0KG2 | 6000                 | 950              | 1185 | 1990 | 1500 | 250 | 110 | 500 | 165 | 2200 | 3130 | 250 | -31                               | 89.8                   |
| 1QA1 507-2JA60-0JG2 | 6050                 | 950              | 1185 | 1990 | 1500 | 250 | 110 | 500 | 165 | 2200 | 3130 | 250 | -35.9                             | 95.2                   |

# 外形及安装尺寸图

## Outline and Installation Dimensions



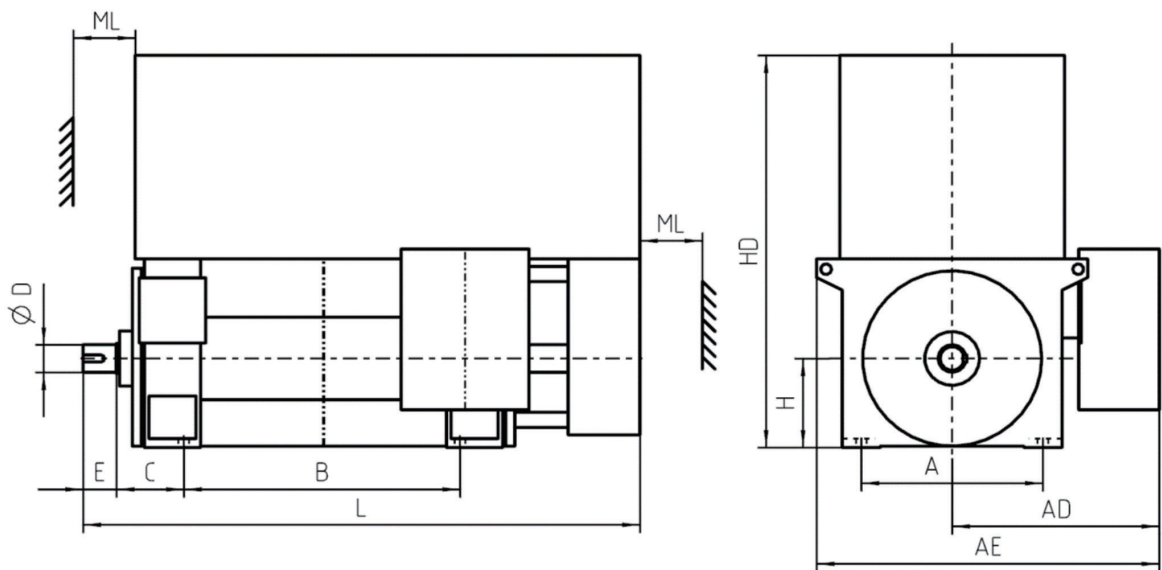
2 极 6 kV 50 Hz IC611

| 订货号<br>Order No.    | Total weight<br>电机总重 | Dimensions<br>尺寸 |      |      |      |     |     |     |     |      |      |     | Dyn. Foundation Loading<br>基础动态负荷 |                        |
|---------------------|----------------------|------------------|------|------|------|-----|-----|-----|-----|------|------|-----|-----------------------------------|------------------------|
|                     |                      | A                | AD   | AE   | B    | C   | D   | H   | E   | HD   | L    | ML  | tension up<br>向上                  | compression down<br>向下 |
|                     | kg                   | mm               |      |      |      |     |     |     |     |      |      |     | kN                                |                        |
| 1QA1 508-2JA60-0HJ2 | 6450                 | 950              | 1185 | 1990 | 1500 | 530 | 120 | 500 | 165 | 2200 | 3410 | 250 | -41.5                             | 104.8                  |
| 1QA1 562-2JA60-0HJ2 | 7150                 | 1060             | 1260 | 2140 | 1400 | 600 | 150 | 560 | 200 | 2320 | 3450 | 300 | -37.1                             | 107.3                  |
| 1QA1 563-2JA60-0CJ2 | 7450                 | 1060             | 1260 | 2140 | 1400 | 600 | 150 | 560 | 200 | 2320 | 3450 | 300 | -42.7                             | 115.7                  |
| 1QA1 564-2JA60-0CJ2 | 7700                 | 1060             | 1260 | 2140 | 1400 | 600 | 150 | 560 | 200 | 2320 | 3450 | 300 | -47.4                             | 122.9                  |
| 1QA1 567-2JA60-0CJ2 | 8500                 | 1060             | 1260 | 2140 | 1600 | 600 | 150 | 560 | 200 | 2320 | 3680 | 300 | -61.6                             | 145.0                  |
| 1QA1 568-2JA60-0CJ2 | 9150                 | 1060             | 1260 | 2140 | 1600 | 600 | 150 | 560 | 200 | 2320 | 3680 | 300 | -83.3                             | 173.0                  |



# 外形及安装尺寸图

## Outline and Installation Dimensions

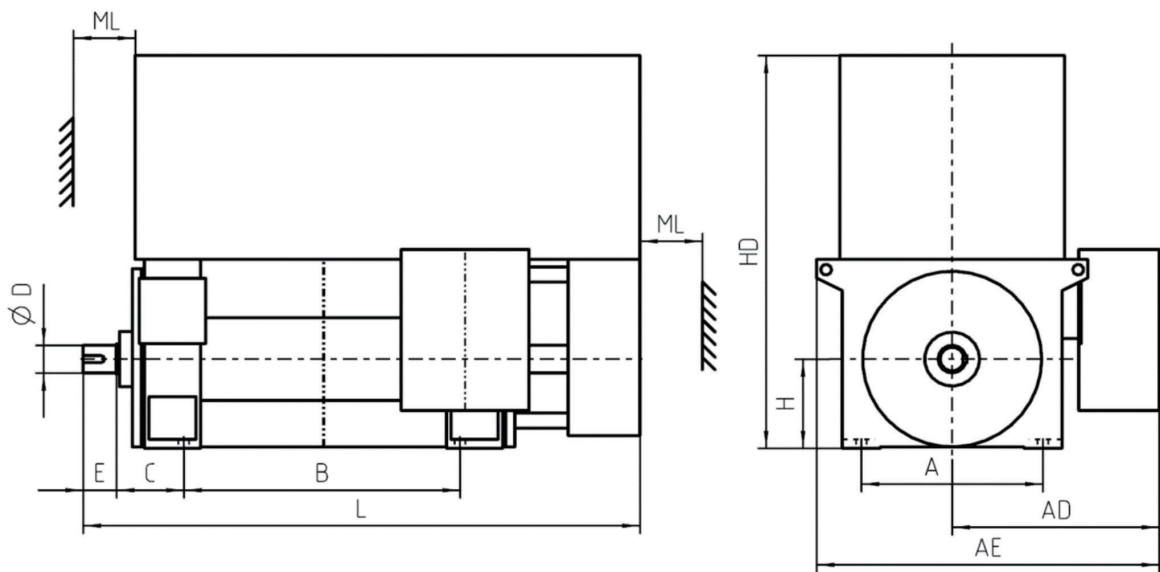


4 极 6 kV 50 Hz IC611

| 订货号<br>Order No.    | Total weight<br>电机总重 | Dimensions<br>尺寸 |      |      |      |     |     |     |     |      |      |     | Dyn. Foundation Loading<br>基础动态负荷 |                        |
|---------------------|----------------------|------------------|------|------|------|-----|-----|-----|-----|------|------|-----|-----------------------------------|------------------------|
|                     |                      | A                | AD   | AE   | B    | C   | D   | H   | E   | HD   | L    | ML  | tension up<br>向上                  | compression down<br>向下 |
|                     | kg                   | mm               |      |      |      |     |     |     |     |      |      |     | kN                                |                        |
| 1QA1 350-4JA60-0AG2 | 2400                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1630 | 2260 | 265 | -19.6                             | 43.1                   |
| 1QA1 352-4JA60-0AG2 | 2500                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1630 | 2260 | 265 | -22.6                             | 47.1                   |
| 1QA1 354-4JA60-0AG2 | 2550                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1630 | 2260 | 265 | -29.3                             | 54.3                   |
| 1QA1 356-4JA60-0AG2 | 2650                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1630 | 2260 | 265 | -40.6                             | 66.6                   |
| 1QA1 358-4JA60-0AG2 | 2800                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1630 | 2260 | 265 | -48.2                             | 75.6                   |
| 1QA1 400-4JA60-0AG2 | 3250                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1735 | 2530 | 310 | -40.8                             | 72.7                   |
| 1QA1 402-4JA60-0AG2 | 3350                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1735 | 2530 | 310 | -42.6                             | 75.4                   |
| 1QA1 404-4JA60-0AG2 | 3500                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1735 | 2530 | 310 | -50.4                             | 84.7                   |
| 1QA1 406-4JA60-0AG2 | 3650                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1735 | 2530 | 310 | -63.1                             | 99.0                   |
| 1QA1 454-4JA60-0JG2 | 4150                 | 850              | 1114 | 1848 | 1180 | 250 | 130 | 450 | 200 | 1890 | 2720 | 200 | -64.4                             | 105.1                  |
| 1QA1 457-4JA60-0JG2 | 4750                 | 850              | 1114 | 1848 | 1400 | 250 | 130 | 450 | 200 | 1890 | 2930 | 200 | -73.4                             | 120                    |
| 1QA1 458-4JA60-0AG2 | 4950                 | 850              | 1114 | 1848 | 1400 | 250 | 130 | 450 | 200 | 1890 | 2930 | 200 | -85.6                             | 134.2                  |
| 1QA1 503-4JA60-0JG2 | 5550                 | 950              | 1185 | 1990 | 1320 | 315 | 160 | 500 | 240 | 2200 | 3060 | 250 | -62.6                             | 117                    |
| 1QA1 504-4JA60-0AG2 | 5800                 | 950              | 1185 | 1990 | 1320 | 315 | 160 | 500 | 240 | 2200 | 3060 | 250 | -71.7                             | 128.6                  |
| 1QA1 508-4JA60-0JG2 | 6800                 | 950              | 1185 | 1990 | 1500 | 315 | 160 | 500 | 240 | 2200 | 3270 | 250 | -74.2                             | 140.9                  |
| 1QA1 508-4JA60-0HG2 | 7000                 | 950              | 1185 | 1990 | 1500 | 315 | 160 | 500 | 240 | 2200 | 3270 | 250 | -122.5                            | 191.1                  |
| 1QA1 563-4JA60-0CG2 | 7500                 | 1060             | 1260 | 2140 | 1400 | 335 | 190 | 560 | 280 | 2320 | 3260 | 300 | -100.2                            | 173.7                  |
| 1QA1 564-4JA60-0HG2 | 7950                 | 1060             | 1260 | 2140 | 1400 | 335 | 190 | 560 | 280 | 2320 | 3260 | 300 | -106.1                            | 184                    |
| 1QA1 566-4JA60-0HG2 | 8750                 | 1060             | 1260 | 2140 | 1600 | 335 | 190 | 560 | 280 | 2320 | 3490 | 300 | -141                              | 226.8                  |
| 1QA1 567-4JA60-0HG2 | 9250                 | 1060             | 1260 | 2140 | 1600 | 335 | 190 | 560 | 280 | 2320 | 3490 | 300 | -160.9                            | 251.6                  |
| 1QA1 568-4JA60-0CG2 | 9700                 | 1060             | 1260 | 2140 | 1600 | 335 | 190 | 560 | 280 | 2320 | 3490 | 300 | -206.2                            | 301.4                  |

# 外形及安装尺寸图

## Outline and Installation Dimensions

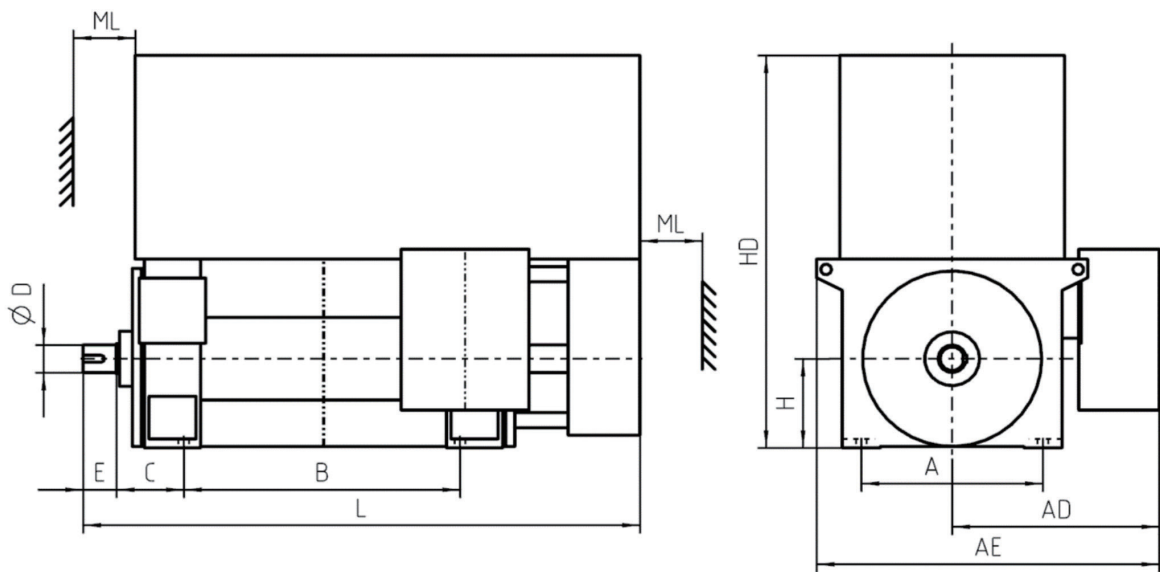


6 极 6 kV 50 Hz IC611

| 订货号<br>Order No.    | Total weight<br>电机总重 | Dimensions<br>尺寸 |      |      |      |     |     |     |     |      |      |     | Dyn. Foundation Loading<br>基础动态负荷 |                        |
|---------------------|----------------------|------------------|------|------|------|-----|-----|-----|-----|------|------|-----|-----------------------------------|------------------------|
|                     |                      | A                | AD   | AE   | B    | C   | D   | H   | E   | HD   | L    | ML  | tension up<br>向上                  | compression down<br>向下 |
|                     | kg                   | mm               |      |      |      |     |     |     |     |      |      |     | kN                                |                        |
| 1QA1 350-6JA60-0AG2 | 2600                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1630 | 2260 | 265 | -21.0                             | 46.5                   |
| 1QA1 352-6JA60-0AG2 | 2700                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1630 | 2260 | 265 | -36.8                             | 63.3                   |
| 1QA1 354-6JA60-0AG2 | 2750                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1630 | 2260 | 265 | -38.6                             | 65.6                   |
| 1QA1 356-6JA60-0AG2 | 2850                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1630 | 2260 | 265 | -45.1                             | 73.1                   |
| 1QA1 400-6JA60-0AG2 | 3300                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1735 | 2530 | 310 | -44.8                             | 77.2                   |
| 1QA1 402-6JA60-0AG2 | 3450                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1735 | 2530 | 310 | -50.0                             | 83.9                   |
| 1QA1 404-6JA60-0AG2 | 3650                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1735 | 2530 | 310 | -48.6                             | 84.4                   |
| 1QA1 406-6JA60-0AG2 | 3800                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1735 | 2530 | 310 | -61.1                             | 98.4                   |
| 1QA1 453-6JA60-0JG2 | 4000                 | 850              | 1114 | 1848 | 1180 | 250 | 130 | 450 | 200 | 1890 | 2720 | 200 | -67.4                             | 106.7                  |
| 1QA1 454-6JA60-0AG2 | 4150                 | 850              | 1114 | 1848 | 1180 | 250 | 130 | 450 | 200 | 1890 | 2720 | 200 | -70.7                             | 111.4                  |
| 1QA1 457-6JA60-0JG2 | 4650                 | 850              | 1114 | 1848 | 1400 | 250 | 130 | 450 | 200 | 1890 | 2930 | 200 | -87.2                             | 132.8                  |
| 1QA1 458-6JA60-0JG2 | 4900                 | 850              | 1114 | 1848 | 1400 | 250 | 130 | 450 | 200 | 1890 | 2930 | 200 | -103                              | 151                    |
| 1QA1 503-6JA60-0KG2 | 5700                 | 950              | 1185 | 1990 | 1320 | 315 | 160 | 500 | 240 | 2200 | 3060 | 250 | -99                               | 154.9                  |
| 1QA1 503-6JA60-0JG2 | 5700                 | 950              | 1185 | 1990 | 1320 | 315 | 160 | 500 | 240 | 2200 | 3060 | 250 | -95                               | 150.9                  |
| 1QA1 507-6JA60-0AG2 | 6550                 | 950              | 1185 | 1990 | 1500 | 315 | 160 | 500 | 240 | 2200 | 3270 | 250 | -107.1                            | 171.4                  |
| 1QA1 508-6JA60-0JG2 | 6900                 | 950              | 1185 | 1990 | 1500 | 315 | 160 | 500 | 240 | 2200 | 3270 | 250 | -131.1                            | 198.8                  |
| 1QA1 561-6JA60-0CG2 | 7400                 | 1060             | 1260 | 2140 | 1400 | 335 | 190 | 560 | 280 | 2320 | 3260 | 300 | -104.1                            | 176.7                  |
| 1QA1 563-6JA60-0HG2 | 8050                 | 1060             | 1260 | 2140 | 1400 | 335 | 190 | 560 | 280 | 2320 | 3260 | 300 | -133.7                            | 212.6                  |
| 1QA1 564-6JA60-0HG2 | 8400                 | 1060             | 1260 | 2140 | 1400 | 335 | 190 | 560 | 280 | 2320 | 3260 | 300 | -153                              | 235.4                  |
| 1QA1 568-6JA60-0HG2 | 9800                 | 1060             | 1260 | 2140 | 1600 | 335 | 190 | 560 | 280 | 2320 | 3490 | 300 | -208.9                            | 305                    |

# 外形及安装尺寸图

## Outline and Installation Dimensions



8 极 6 kV 50 Hz IC611

| 订货号<br>Order No.    | Total weight<br>电机总重 | Dimensions<br>尺寸 |      |      |      |     |     |     |     |      |      |     | Dyn. Foundation Loading<br>基础动态负荷 |                        |
|---------------------|----------------------|------------------|------|------|------|-----|-----|-----|-----|------|------|-----|-----------------------------------|------------------------|
|                     |                      | A                | AD   | AE   | B    | C   | D   | H   | E   | HD   | L    | ML  | tension up<br>向上                  | compression down<br>向下 |
|                     | kg                   | mm               |      |      |      |     |     |     |     |      |      |     | kN                                |                        |
| 1QA1 350-8JA60-0AG2 | 2550                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1630 | 2260 | 265 | -15.5                             | 40.5                   |
| 1QA1 352-8JA60-0AG2 | 2650                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1630 | 2260 | 265 | -17.4                             | 43.4                   |
| 1QA1 354-8JA60-0AG2 | 2700                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1630 | 2260 | 265 | -22.3                             | 48.8                   |
| 1QA1 356-8JA60-0AG2 | 2800                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1630 | 2260 | 265 | -25.7                             | 53.2                   |
| 1QA1 400-8JA60-0JG2 | 3200                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1735 | 2530 | 310 | -30.9                             | 62.3                   |
| 1QA1 400-8JA60-0AG2 | 3200                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1735 | 2530 | 310 | -30.1                             | 61.5                   |
| 1QA1 402-8JA60-0AG2 | 3300                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1735 | 2530 | 310 | -34.4                             | 66.8                   |
| 1QA1 404-8JA60-0AG2 | 3500                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1735 | 2530 | 310 | -39.7                             | 74.1                   |
| 1QA1 406-8JA60-0AG2 | 3750                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1735 | 2530 | 310 | -45.7                             | 82.5                   |
| 1QA1 452-8JA60-0JG2 | 4000                 | 850              | 1114 | 1848 | 1180 | 250 | 130 | 450 | 200 | 1890 | 2720 | 200 | -36.2                             | 75.4                   |
| 1QA1 453-8JA60-0JG2 | 4200                 | 850              | 1114 | 1848 | 1180 | 250 | 130 | 450 | 200 | 1890 | 2720 | 200 | -43.5                             | 84.7                   |
| 1QA1 454-8JA60-0JG2 | 4450                 | 850              | 1114 | 1848 | 1180 | 250 | 130 | 450 | 200 | 1890 | 2720 | 200 | -54.4                             | 98                     |
| 1QA1 457-8JA60-0JG2 | 4900                 | 850              | 1114 | 1848 | 1400 | 250 | 130 | 450 | 200 | 1890 | 2930 | 200 | -71.4                             | 119.5                  |
| 1QA1 458-8JA60-0AG2 | 5150                 | 850              | 1114 | 1848 | 1400 | 250 | 130 | 450 | 200 | 1890 | 2930 | 200 | -76.8                             | 127.3                  |
| 1QA1 502-8JA60-0AG2 | 5450                 | 950              | 1185 | 1990 | 1320 | 315 | 160 | 500 | 240 | 2200 | 3060 | 250 | -96.5                             | 149.9                  |
| 1QA1 503-8JA60-0AG2 | 5700                 | 950              | 1185 | 1990 | 1320 | 315 | 160 | 500 | 240 | 2200 | 3060 | 250 | -100.5                            | 156.4                  |
| 1QA1 507-8JA60-0AG2 | 6600                 | 950              | 1185 | 1990 | 1500 | 315 | 160 | 500 | 240 | 2200 | 3270 | 250 | -116                              | 180.7                  |
| 1QA1 508-8JA60-0AG2 | 6950                 | 950              | 1185 | 1990 | 1500 | 315 | 160 | 500 | 240 | 2200 | 3270 | 250 | -112.4                            | 180.5                  |
| 1QA1 563-8JA60-0HG2 | 7850                 | 1060             | 1260 | 2140 | 1400 | 335 | 190 | 560 | 280 | 2320 | 3260 | 300 | -121.5                            | 198.5                  |
| 1QA1 564-8JA60-0CG2 | 8300                 | 1060             | 1260 | 2140 | 1400 | 335 | 190 | 560 | 280 | 2320 | 3260 | 300 | -143.1                            | 224.5                  |
| 1QA1 567-8JA60-0CG2 | 9150                 | 1060             | 1260 | 2140 | 1600 | 335 | 190 | 560 | 280 | 2320 | 3490 | 300 | -152                              | 241.8                  |
| 1QA1 568-8JA60-0CG2 | 9700                 | 1060             | 1260 | 2140 | 1600 | 335 | 190 | 560 | 280 | 2320 | 3490 | 300 | -197.2                            | 292.3                  |

# 选型技术数据表 Technical Data

## 2 极 10 kV 50 Hz IC611

| 订货号<br>Order No.    | 额定功率<br>Rated power<br>$P_N$ | 额定转速<br>Rated speed<br>$n_N$ | 额定电流<br>Rated current<br>$I_N$ | 效率<br>Efficiency | 功率因数<br>Power factor | 额定转矩<br>Rated torque<br>$T_N$ | 颠覆转矩<br>Breakdown torque<br>$T_{max} / T_N$ | 堵转转矩<br>Locked-rotor torque<br>$T_{st} / T_N$ | 堵转电流<br>Locked-rotor current<br>$I_{st} / I_N$ | 冷却空气流量<br>Cooling air flow | 转动惯量<br>Moment of Inertia |                                           |
|---------------------|------------------------------|------------------------------|--------------------------------|------------------|----------------------|-------------------------------|---------------------------------------------|-----------------------------------------------|------------------------------------------------|----------------------------|---------------------------|-------------------------------------------|
|                     |                              |                              |                                |                  |                      |                               |                                             |                                               |                                                |                            | 转子<br>Rotor               | 最大外拖 <sup>1)</sup><br>External max. perm. |
|                     | kW                           | r/min                        | A                              | %                |                      | Nm                            |                                             |                                               |                                                | m³/s                       | kg m²                     | kg m²                                     |
| 1QA1 350-2JA80-0AG2 | 450                          | 2970                         | 31                             | 94.6             | 0.88                 | 1447                          | 2.6                                         | 0.65                                          | 5.8                                            | 2                          | 3                         | 40                                        |
| 1QA1 352-2JA80-0AG2 | 500                          | 2970                         | 34                             | 94.7             | 0.89                 | 1608                          | 2.7                                         | 0.7                                           | 6                                              | 2                          | 3.5                       | 30                                        |
| 1QA1 354-2JA80-0AG2 | 560                          | 2967                         | 38                             | 94.9             | 0.9                  | 1802                          | 2.6                                         | 0.7                                           | 5.8                                            | 2                          | 3.5                       | 40                                        |
| 1QA1 356-2JA80-0AG2 | 630                          | 2968                         | 42                             | 95.1             | 0.9                  | 2027                          | 2.7                                         | 0.75                                          | 6                                              | 2                          | 4                         | 35                                        |
| 1QA1 400-2JA80-0AG2 | 710                          | 2976                         | 49                             | 94.9             | 0.89                 | 2278                          | 2.4                                         | 0.6                                           | 5.6                                            | 3.3                        | 6                         | 70                                        |
| 1QA1 402-2JA80-0AG2 | 800                          | 2976                         | 55                             | 95.1             | 0.89                 | 2567                          | 2.6                                         | 0.7                                           | 6.1                                            | 3.3                        | 6.5                       | 70                                        |
| 1QA1 404-2JA80-0AG2 | 900                          | 2974                         | 61                             | 95.3             | 0.89                 | 2890                          | 2.5                                         | 0.7                                           | 5.8                                            | 3.3                        | 7                         | 55                                        |
| 1QA1 406-2JA80-0AG2 | 1000                         | 2973                         | 67                             | 95.4             | 0.9                  | 3212                          | 2.5                                         | 0.7                                           | 5.6                                            | 3.3                        | 7.5                       | 70                                        |
| 1QA1 408-2JA80-0AG2 | 1120                         | 2974                         | 76                             | 95.5             | 0.89                 | 3596                          | 2.6                                         | 0.7                                           | 5.9                                            | 3.3                        | 8                         | 65                                        |
| 1QA1 453-2JA80-0JG2 | 1250                         | 2978                         | 85                             | 95.7             | 0.89                 | 4007                          | 2.4                                         | 0.55                                          | 5.8                                            | 3.8                        | 9.9                       | 60                                        |
| 1QA1 454-2JA80-0AG2 | 1400                         | 2978                         | 94                             | 95.8             | 0.9                  | 4493                          | 2.4                                         | 0.55                                          | 5.8                                            | 3.8                        | 10.6                      | 60                                        |
| 1QA1 457-2JA80-0AG2 | 1600                         | 2980                         | 106                            | 96               | 0.9                  | 5129                          | 2.6                                         | 0.6                                           | 5.8                                            | 4                          | 11.5                      | 70                                        |
| 1QA1 458-2JA80-0AG2 | 1800                         | 2980                         | 120                            | 96.2             | 0.9                  | 5770                          | 2.7                                         | 0.6                                           | 6                                              | 4                          | 12.7                      | 70                                        |
| 1QA1 504-2JA80-0AG2 | 2000                         | 2976                         | 134                            | 96.2             | 0.9                  | 6421                          | 2.8                                         | 0.7                                           | 5.6                                            | 4.2                        | 15.2                      | 66                                        |
| 1QA1 507-2JA80-0AG2 | 2240                         | 2976                         | 148                            | 96.4             | 0.91                 | 7189                          | 2.85                                        | 0.7                                           | 5.8                                            | 4.2                        | 17.6                      | 78                                        |
| 1QA1 508-2JA80-0AG2 | 2500                         | 2973                         | 162                            | 96.7             | 0.92                 | 8026                          | 2.75                                        | 0.8                                           | 5.7                                            | 4.2                        | 19.8                      | 84                                        |
| 1QA1 562-2JA80-0HJ2 | 2800                         | 2987                         | 184                            | 96.2             | 0.91                 | 8954                          | 3.1                                         | 0.85                                          | 6.3                                            | 6.6                        | 41.2                      | 250                                       |
| 1QA1 563-2JA80-0HJ2 | 3150                         | 2985                         | 205                            | 96.4             | 0.91                 | 10081                         | 2.7                                         | 0.7                                           | 6.1                                            | 6.6                        | 44                        | 280                                       |
| 1QA1 564-2JA80-0HJ2 | 3550                         | 2987                         | 235                            | 96.3             | 0.91                 | 11351                         | 3.1                                         | 0.8                                           | 6.3                                            | 8.3                        | 47                        | 295                                       |
| 1QA1 567-2JA80-0HJ2 | 4000                         | 2986                         | 260                            | 96.5             | 0.92                 | 12794                         | 2.95                                        | 0.75                                          | 6.1                                            | 8.2                        | 51.8                      | 320                                       |
| 1QA1 568-2JA80-0HJ2 | 4500                         | 2987                         | 290                            | 96.7             | 0.92                 | 14388                         | 3.15                                        | 0.8                                           | 6.6                                            | 8.2                        | 57.8                      | 325                                       |

- <sup>1)</sup> 直接起动时的最大外部转动惯量是基于以下条件：
- 三次冷起/两次热起（中心高450、500为两次冷起/一次热起）
  - 起动电压不小于 0.9 倍额定电压  $U_N$
  - 负载转矩与转速成平方关系
  - 额定速度时负载阻转矩不应超过额定转矩  $T_N$  的 60%

上述电气参数为典型值，具体保证值可根据需求提供。

- <sup>1)</sup> The maximum external moment of inertia for direct online starting is based on the following conditions:
- Three starts from cold or two starts from warm (SH450,500 is two starts from cold or one starts from warm)
  - The starting voltage is not less than 0.9 x rated voltage  $U_N$
  - The load torque increases approximately according to a square- law with the speed
  - The load torque at rated speed should not exceed 60 %

The electrical parameters listed above are typical values. The guaranteed values can be provided on request.

# 选型技术数据表 Technical Data

## 4 极 10 kV 50 Hz IC611

| 订货号<br>Order No.    | 额定功率<br>Rated power<br>$P_N$ | 额定转速<br>Rated speed<br>$n_N$ | 额定电流<br>Rated current<br>$I_N$ | 效率<br>Efficiency | 功率因数<br>Power factor | 额定转矩<br>Rated torque<br>$T_N$ | 颠覆转矩<br>Breakdown torque<br>$T_{max} / T_N$ | 堵转转矩<br>Locked-rotor torque<br>$T_{st} / T_N$ | 堵转电流<br>Locked-rotor current<br>$I_{st} / I_N$ | 冷却空气流量<br>Cooling air flow | 转动惯量<br>Moment of Inertia |                                           |
|---------------------|------------------------------|------------------------------|--------------------------------|------------------|----------------------|-------------------------------|---------------------------------------------|-----------------------------------------------|------------------------------------------------|----------------------------|---------------------------|-------------------------------------------|
|                     |                              |                              |                                |                  |                      |                               |                                             |                                               |                                                |                            | 转子<br>Rotor               | 最大外拖 <sup>1)</sup><br>External max. perm. |
|                     | kW                           | r/min                        | A                              | %                |                      | Nm                            |                                             |                                               |                                                | m³/s                       | kg m²                     | kg m²                                     |
| 1QA1 350-4JA80-0AG2 | 450                          | 1487                         | 34                             | 94.5             | 0.82                 | 2890                          | 2.85                                        | 1                                             | 6.2                                            | 1.9                        | 5.6                       | 115                                       |
| 1QA1 352-4JA80-0AG2 | 500                          | 1487                         | 37                             | 94.7             | 0.83                 | 3211                          | 2.85                                        | 1                                             | 6.3                                            | 1.9                        | 6                         | 135                                       |
| 1QA1 354-4JA80-0AG2 | 560                          | 1487                         | 41                             | 95               | 0.83                 | 3596                          | 2.9                                         | 1                                             | 6.3                                            | 1.9                        | 6.5                       | 155                                       |
| 1QA1 356-4JA80-0AG2 | 630                          | 1487                         | 46                             | 95.1             | 0.83                 | 4046                          | 2.9                                         | 1.05                                          | 6.3                                            | 1.9                        | 7.2                       | 155                                       |
| 1QA1 358-4JA80-0AG2 | 710                          | 1487                         | 53                             | 95.2             | 0.82                 | 4560                          | 3.05                                        | 1.15                                          | 6.2                                            | 1.9                        | 7.9                       | 155                                       |
| 1QA1 400-4JA80-0AG2 | 800                          | 1487                         | 58                             | 95.3             | 0.84                 | 5137                          | 2.6                                         | 0.85                                          | 5.8                                            | 3.5                        | 11.3                      | 365                                       |
| 1QA1 402-4JA80-0AG2 | 900                          | 1486                         | 66                             | 95.3             | 0.83                 | 5784                          | 2.6                                         | 0.85                                          | 5.8                                            | 3.5                        | 12.1                      | 365                                       |
| 1QA1 404-4JA80-0AG2 | 1000                         | 1486                         | 71                             | 95.4             | 0.85                 | 6426                          | 2.6                                         | 0.9                                           | 5.9                                            | 3.5                        | 13.5                      | 275                                       |
| 1QA1 406-4JA80-0AG2 | 1120                         | 1487                         | 79                             | 95.7             | 0.86                 | 7192                          | 2.6                                         | 0.9                                           | 6                                              | 3.5                        | 14.8                      | 380                                       |
| 1QA1 454-4JA80-0JG2 | 1250                         | 1487                         | 86                             | 95.7             | 0.88                 | 8032                          | 2.95                                        | 0.85                                          | 6.5                                            | 4.5                        | 18.6                      | 405                                       |
| 1QA1 457-4JA80-0JG2 | 1400                         | 1486                         | 94                             | 95.9             | 0.9                  | 9005                          | 2.75                                        | 0.85                                          | 6.5                                            | 4.4                        | 22.2                      | 475                                       |
| 1QA1 458-4JA80-0JG2 | 1600                         | 1486                         | 106                            | 96.1             | 0.9                  | 10291                         | 2.75                                        | 0.85                                          | 6.5                                            | 4.4                        | 24.3                      | 475                                       |
| 1QA1 503-4JA80-0JG2 | 1800                         | 1487                         | 120                            | 96.2             | 0.9                  | 11565                         | 2.55                                        | 0.85                                          | 5.7                                            | 6.2                        | 37                        | 630                                       |
| 1QA1 504-4JA80-0AG2 | 2000                         | 1486                         | 134                            | 96.2             | 0.9                  | 12861                         | 2.45                                        | 0.95                                          | 5.5                                            | 6.2                        | 40.5                      | 625                                       |
| 1QA1 507-4JA80-0JG2 | 2240                         | 1487                         | 150                            | 96.3             | 0.9                  | 14404                         | 2.45                                        | 0.85                                          | 5.6                                            | 6.2                        | 45.5                      | 765                                       |
| 1QA1 508-4JA80-0JG2 | 2500                         | 1488                         | 166                            | 96.5             | 0.9                  | 16057                         | 2.75                                        | 1                                             | 6.3                                            | 6.2                        | 50.5                      | 800                                       |
| 1QA1 563-4JA80-0CG2 | 2800                         | 1492                         | 188                            | 96.7             | 0.89                 | 17921                         | 2.45                                        | 0.65                                          | 6                                              | 6.3                        | 164.9                     | 825                                       |
| 1QA1 564-4JA80-0HG2 | 3150                         | 1492                         | 209                            | 96.9             | 0.9                  | 20161                         | 2.4                                         | 0.65                                          | 5.8                                            | 6.3                        | 185                       | 945                                       |
| 1QA1 566-4JA80-0HG2 | 3550                         | 1492                         | 235                            | 97               | 0.9                  | 22721                         | 2.5                                         | 0.75                                          | 6.2                                            | 6.3                        | 204.2                     | 975                                       |
| 1QA1 567-4JA80-0HG2 | 4000                         | 1493                         | 261                            | 97.1             | 0.91                 | 25584                         | 2.6                                         | 0.75                                          | 6.3                                            | 6.3                        | 224.9                     | 995                                       |
| 1QA1 568-4JA80-0CG2 | 4500                         | 1493                         | 297                            | 97.2             | 0.9                  | 28782                         | 2.6                                         | 0.75                                          | 6.4                                            | 6.3                        | 243                       | 1015                                      |

- <sup>1)</sup> 直接起动时的最大外部转动惯量是基于以下条件：

  - 三次冷起/两次热起
  - 起动电压不小于 0.9 倍额定电压  $U_N$
  - 负载转矩与转速成平方关系
  - 一额定速度时负载阻转矩不应超过额定转矩  $T_N$  的 90%
- <sup>1)</sup> The maximum external moment of inertia for direct online starting is based on the following conditions:

  - Three starts from cold or two starts from warm
  - The starting voltage is not less than 0.9 x rated voltage  $U_N$
  - The load torque increases approximately according to a square-law with the speed
  - The load torque at rated speed should not exceed 90% rated torque  $T_N$

上述电气参数为典型值，具体保证值可根据需求提供

The electrical parameters listed above are typical values. The guaranteed values can be provided on request

# 选型技术数据表 Technical Data

## 6 极 10 kV 50 Hz IC611

| 订货号<br>Order No.    | 额定功率<br>Rated power<br>$P_N$ | 额定转速<br>Rated speed<br>$n_N$ | 额定电流<br>Rated current<br>$I_N$ | 效率<br>Efficiency | 功率因数<br>Power factor | 额定转矩<br>Rated torque<br>$T_N$ | 颠覆转矩<br>Breakdown torque<br>$T_{max} / T_N$ | 堵转转矩<br>Locked-rotor torque<br>$T_{st} / T_N$ | 堵转电流<br>Locked-rotor current<br>$I_{st} / I_N$ | 冷却空气流量<br>Cooling air flow | 转动惯量<br>Moment of Inertia |                                           |
|---------------------|------------------------------|------------------------------|--------------------------------|------------------|----------------------|-------------------------------|---------------------------------------------|-----------------------------------------------|------------------------------------------------|----------------------------|---------------------------|-------------------------------------------|
|                     |                              |                              |                                |                  |                      |                               |                                             |                                               |                                                |                            | 转子<br>Rotor               | 最大外拖 <sup>1)</sup><br>External max. perm. |
|                     | kW                           | r/min                        | A                              | %                |                      | Nm                            |                                             |                                               |                                                | m³/s                       | kg m²                     | kg m²                                     |
| 1QA1 350-6JA80-0AG2 | 315                          | 987                          | 23                             | 94.4             | 0.83                 | 3048                          | 2.45                                        | 1.05                                          | 5.5                                            | 2.1                        | 7                         | 315                                       |
| 1QA1 352-6JA80-0AG2 | 355                          | 984                          | 26                             | 94               | 0.85                 | 3445                          | 2                                           | 0.9                                           | 5                                              | 2.1                        | 8                         | 240                                       |
| 1QA1 354-6JA80-0AG2 | 400                          | 987                          | 29                             | 94.7             | 0.83                 | 3870                          | 2.55                                        | 1.15                                          | 5.5                                            | 2.1                        | 8                         | 370                                       |
| 1QA1 356-6JA80-0AG2 | 450                          | 987                          | 33                             | 94.8             | 0.83                 | 4354                          | 2.65                                        | 1.25                                          | 5.6                                            | 2.1                        | 9                         | 350                                       |
| 1QA1 400-6JA80-0AG2 | 500                          | 989                          | 37                             | 94.8             | 0.83                 | 4828                          | 2.2                                         | 0.85                                          | 5.5                                            | 2.8                        | 13                        | 285                                       |
| 1QA1 402-6JA80-0AG2 | 560                          | 990                          | 41                             | 94.9             | 0.83                 | 5402                          | 2.25                                        | 0.85                                          | 5.5                                            | 2.8                        | 14                        | 305                                       |
| 1QA1 404-6JA80-0AG2 | 630                          | 991                          | 45                             | 95.2             | 0.84                 | 6071                          | 2.25                                        | 0.9                                           | 5.5                                            | 2.8                        | 16                        | 390                                       |
| 1QA1 406-6JA80-0AG2 | 710                          | 991                          | 52                             | 95.3             | 0.83                 | 6842                          | 2.4                                         | 0.95                                          | 5.5                                            | 2.8                        | 18                        | 355                                       |
| 1QA1 452-6JA80-0JG2 | 800                          | 991                          | 57                             | 95.2             | 0.85                 | 7709                          | 2.5                                         | 0.85                                          | 5.8                                            | 3.7                        | 20.3                      | 560                                       |
| 1QA1 453-6JA80-0JG2 | 900                          | 991                          | 63                             | 95.2             | 0.86                 | 8679                          | 2.5                                         | 0.85                                          | 5.8                                            | 3.7                        | 22.2                      | 580                                       |
| 1QA1 454-6JA80-0JG2 | 1000                         | 991                          | 70                             | 95.3             | 0.86                 | 9646                          | 2.5                                         | 0.85                                          | 5.7                                            | 3.7                        | 24.5                      | 625                                       |
| 1QA1 457-6JA80-0AG2 | 1120                         | 991                          | 78                             | 95.5             | 0.87                 | 10806                         | 2.5                                         | 0.85                                          | 5.5                                            | 3.7                        | 27.5                      | 680                                       |
| 1QA1 458-6JA80-0AG2 | 1250                         | 991                          | 87                             | 95.6             | 0.87                 | 12062                         | 2.5                                         | 0.85                                          | 5.5                                            | 3.7                        | 31.2                      | 690                                       |
| 1QA1 503-6JA80-0JG2 | 1400                         | 992                          | 97                             | 96.1             | 0.87                 | 13477                         | 2.4                                         | 0.85                                          | 5.2                                            | 5.3                        | 46.5                      | 1350                                      |
| 1QA1 504-6JA80-0JG2 | 1600                         | 992                          | 110                            | 96.2             | 0.87                 | 15402                         | 2.45                                        | 0.9                                           | 5.4                                            | 5.3                        | 51                        | 1330                                      |
| 1QA1 507-6JA80-0JG2 | 1800                         | 992                          | 124                            | 96.3             | 0.87                 | 17327                         | 2.6                                         | 0.95                                          | 5.6                                            | 5.2                        | 57.5                      | 1710                                      |
| 1QA1 508-6JA80-0JG2 | 2000                         | 992                          | 138                            | 96.3             | 0.87                 | 19253                         | 2.6                                         | 1.05                                          | 5.7                                            | 5.2                        | 63                        | 1540                                      |
| 1QA1 561-6JA80-0CG2 | 2240                         | 994                          | 156                            | 96.2             | 0.86                 | 21520                         | 2.1                                         | 0.65                                          | 6                                              | 6.1                        | 96.8                      | 2095                                      |
| 1QA1 562-6JA80-0HG2 | 2500                         | 994                          | 174                            | 96.4             | 0.86                 | 24017                         | 2.1                                         | 0.6                                           | 6                                              | 6.1                        | 105.3                     | 1870                                      |
| 1QA1 564-6JA80-0HG2 | 2800                         | 993                          | 194                            | 96.4             | 0.86                 | 26927                         | 2.1                                         | 0.6                                           | 6                                              | 6.1                        | 123.5                     | 2065                                      |
| 1QA1 567-6JA80-0HG2 | 3150                         | 994                          | 220                            | 96.6             | 0.86                 | 30262                         | 2.1                                         | 0.6                                           | 6                                              | 6                          | 137.1                     | 3135                                      |
| 1QA1 568-6JA80-0CG2 | 3550                         | 994                          | 245                            | 96.8             | 0.86                 | 34105                         | 2.2                                         | 0.65                                          | 6                                              | 6                          | 150.6                     | 2910                                      |

- <sup>1)</sup> 直接起动时的最大外部转动惯量是基于以下条件：

  - 三次冷起/两次热起
  - 起动电压不小于 0.9 倍额定电压  $U_N$
  - 负载转矩与转速成平方关系
  - 一额定速度时负载阻转矩不应超过额定转矩  $T_N$  的 90%
- <sup>1)</sup> The maximum external moment of inertia for direct online starting is based on the following conditions:

  - Three starts from cold or two starts from warm
  - The starting voltage is not less than 0.9 x rated voltage  $U_N$
  - The load torque increases approximately according to a square-law with the speed
  - The load torque at rated speed should not exceed 90% rated torque  $T_N$

上述电气参数为典型值，具体保证值可根据需求提供

The electrical parameters listed above are typical values. The guaranteed values can be provided on request



# 选型技术数据表 Technical Data

## 8 极 10 kV 50 Hz IC611

| 订货号<br>Order No.    | 额定功率<br>Rated power<br>$P_N$ | 额定转速<br>Rated speed<br>$n_N$ | 额定电流<br>Rated current<br>$I_N$ | 效率<br>Efficiency | 功率因数<br>Power factor | 额定转矩<br>Rated torque<br>$T_N$ | 颠覆转矩<br>Breakdown torque<br>$T_{max} / T_N$ | 堵转转矩<br>Locked-rotor torque<br>$T_{st} / T_N$ | 堵转电流<br>Locked-rotor current<br>$I_{st} / I_N$ | 冷却空气流量<br>Cooling air flow | 转动惯量<br>Moment of Inertia |                                           |
|---------------------|------------------------------|------------------------------|--------------------------------|------------------|----------------------|-------------------------------|---------------------------------------------|-----------------------------------------------|------------------------------------------------|----------------------------|---------------------------|-------------------------------------------|
|                     |                              |                              |                                |                  |                      |                               |                                             |                                               |                                                |                            | 转子<br>Rotor               | 最大外拖 <sup>1)</sup><br>External max. perm. |
|                     | kW                           | r/min                        | A                              | %                |                      | Nm                            |                                             |                                               |                                                | m³/s                       | kg m²                     | kg m²                                     |
| 1QA1 400-8JA80-0JG2 | 315                          | 744                          | 26                             | 93.7             | 0.74                 | 4043                          | 2.9                                         | 0.9                                           | 5.8                                            | 2.1                        | 12                        | 480                                       |
| 1QA1 400-8JA80-0AG2 | 355                          | 745                          | 28                             | 93.6             | 0.77                 | 4550                          | 2.55                                        | 0.8                                           | 5.3                                            | 2.1                        | 12                        | 350                                       |
| 1QA1 402-8JA80-0AG2 | 400                          | 744                          | 32                             | 94               | 0.77                 | 5134                          | 2.6                                         | 0.85                                          | 5.4                                            | 2.1                        | 13.5                      | 440                                       |
| 1QA1 404-8JA80-0AG2 | 450                          | 745                          | 36                             | 94.1             | 0.77                 | 5768                          | 2.7                                         | 0.95                                          | 5.6                                            | 2.1                        | 15                        | 550                                       |
| 1QA1 406-8JA80-0AG2 | 500                          | 745                          | 39                             | 94.5             | 0.79                 | 6409                          | 2.55                                        | 0.85                                          | 5.3                                            | 2.1                        | 17                        | 880                                       |
| 1QA1 451-8JA80-0JG2 | 560                          | 742                          | 42                             | 94.5             | 0.81                 | 7210                          | 2.1                                         | 0.7                                           | 5.5                                            | 2.8                        | 22.7                      | 650                                       |
| 1QA1 453-8JA80-0KG2 | 630                          | 742                          | 48                             | 95               | 0.8                  | 8096                          | 2.6                                         | 0.84                                          | 5.8                                            | 2.8                        | 27.8                      | 1290                                      |
| 1QA1 453-8JA80-0JG2 | 710                          | 742                          | 53                             | 95               | 0.81                 | 9142                          | 2.3                                         | 0.75                                          | 5.5                                            | 2.8                        | 27.8                      | 1290                                      |
| 1QA1 454-8JA80-0JG2 | 800                          | 743                          | 61                             | 95.3             | 0.79                 | 10284                         | 2.5                                         | 0.85                                          | 5.5                                            | 2.8                        | 31.3                      | 1370                                      |
| 1QA1 457-8JA80-0AG2 | 900                          | 743                          | 68                             | 95.4             | 0.8                  | 11574                         | 2.5                                         | 0.85                                          | 5.5                                            | 2.7                        | 35.2                      | 1400                                      |
| 1QA1 458-8JA80-0AG2 | 1000                         | 743                          | 76                             | 95.5             | 0.8                  | 12861                         | 2.55                                        | 0.85                                          | 5.5                                            | 2.7                        | 39                        | 1430                                      |
| 1QA1 503-8JA80-0JG2 | 1120                         | 744                          | 81                             | 95.9             | 0.83                 | 14375                         | 2.3                                         | 0.85                                          | 4.7                                            | 3.9                        | 51                        | 2300                                      |
| 1QA1 504-8JA80-0JG2 | 1250                         | 744                          | 91                             | 95.9             | 0.83                 | 16044                         | 2.25                                        | 0.85                                          | 4.6                                            | 3.9                        | 56                        | 2100                                      |
| 1QA1 507-8JA80-0AG2 | 1400                         | 744                          | 102                            | 96.1             | 0.83                 | 17969                         | 2.25                                        | 0.85                                          | 4.7                                            | 3.9                        | 63                        | 2370                                      |
| 1QA1 508-8JA80-0AG2 | 1600                         | 744                          | 116                            | 96.2             | 0.83                 | 20536                         | 2.3                                         | 0.9                                           | 4.7                                            | 3.9                        | 69                        | 2680                                      |
| 1QA1 563-8JA80-0HG2 | 1800                         | 744                          | 130                            | 96.1             | 0.83                 | 23103                         | 2.2                                         | 0.6                                           | 4.8                                            | 4.5                        | 123.6                     | 3400                                      |
| 1QA1 564-8JA80-0HG2 | 2000                         | 745                          | 144                            | 96.3             | 0.83                 | 25636                         | 2.3                                         | 0.65                                          | 5.1                                            | 4.5                        | 136.6                     | 4255                                      |
| 1QA1 567-8JA80-0HG2 | 2240                         | 744                          | 160                            | 96.4             | 0.84                 | 28751                         | 2.15                                        | 0.6                                           | 4.8                                            | 4.5                        | 150.3                     | 5280                                      |
| 1QA1 568-8JA80-0HG2 | 2500                         | 744                          | 178                            | 96.6             | 0.84                 | 32088                         | 2.2                                         | 0.6                                           | 4.9                                            | 4.5                        | 164.6                     | 6570                                      |

- <sup>1)</sup> 直接起动时的最大外部转动惯量是基于以下条件：

  - 三次冷起/两次热起
  - 起动电压不小于 0.9 倍额定电压  $U_N$
  - 负载转矩与转速成平方关系
  - 一额定速度时负载阻转矩不应超过额定转矩  $T_N$  的 90%
- <sup>1)</sup> The maximum external moment of inertia for direct online starting is based on the following conditions:

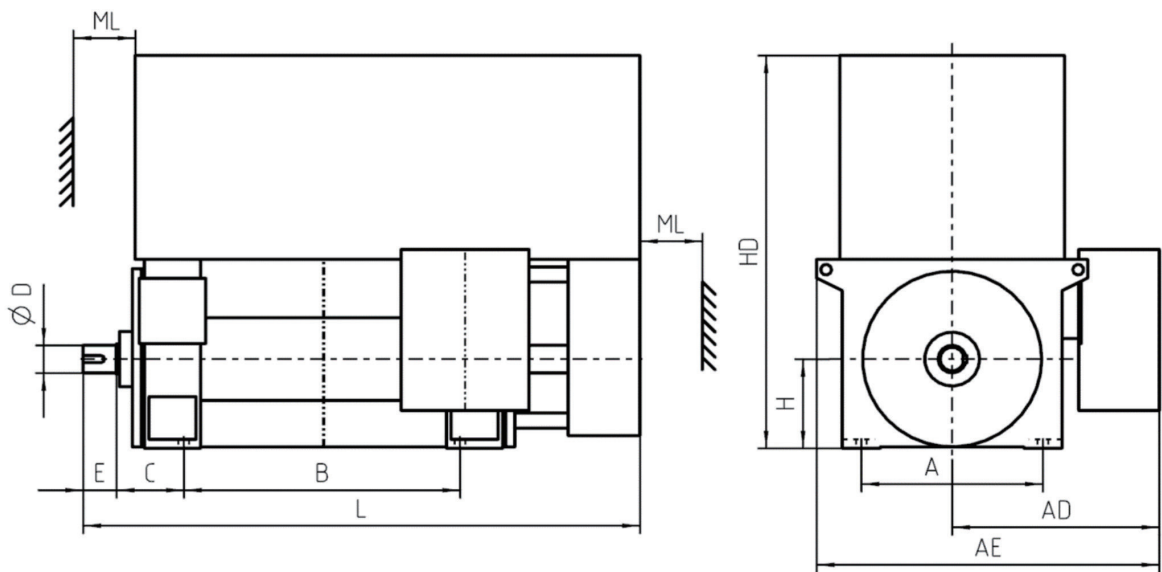
  - Three starts from cold or two starts from warm
  - The starting voltage is not less than 0.9 x rated voltage  $U_N$
  - The load torque increases approximately according to a square- law with the speed
  - The load torque at rated speed should not exceed 90% rated torque  $T_N$

上述电气参数为典型值，具体保证值可根据需求提供

The electrical parameters listed above are typical values. The guaranteed values can be provided on request

# 外形及安装尺寸图

## Outline and Installation Dimensions

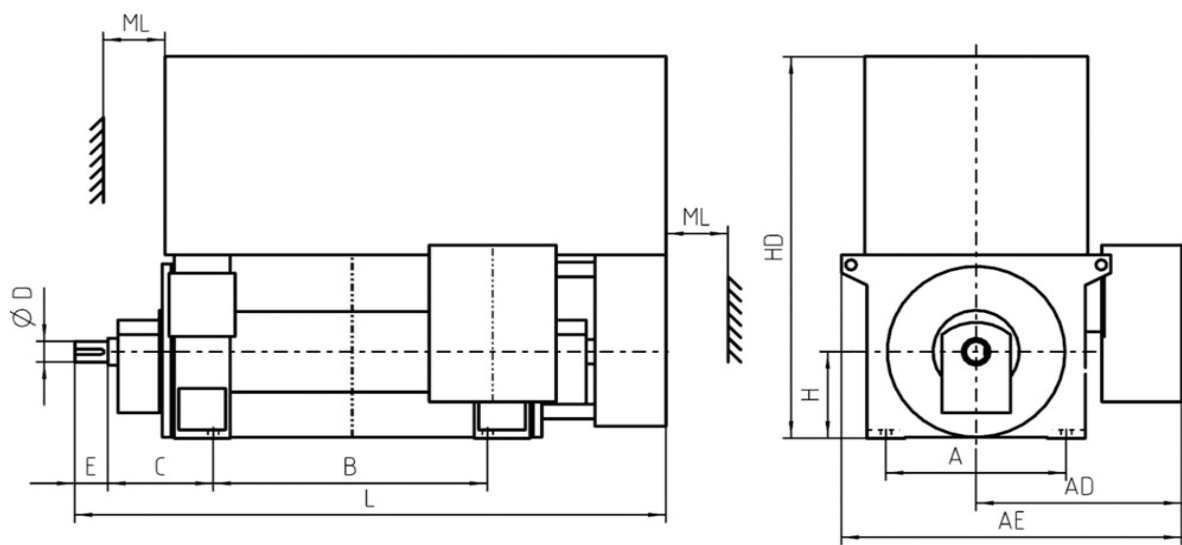


2 极 10 kV 50 Hz IC611

| 订货号<br>Order No.    | Total weight<br>电机总重 | Dimensions<br>尺寸 |      |      |      |     |     |     |     |      |      |     | Dyn. Foundation Loading<br>基础动态负荷 |                        |
|---------------------|----------------------|------------------|------|------|------|-----|-----|-----|-----|------|------|-----|-----------------------------------|------------------------|
|                     |                      | A                | AD   | AE   | B    | C   | D   | H   | E   | HD   | L    | ML  | tension up<br>向上                  | compression down<br>向下 |
|                     | kg                   | mm               |      |      |      |     |     |     |     |      |      |     | kN                                |                        |
| 1QA1 350-2JA80-0AG2 | 2300                 | 710              | 840  | 1415 | 1180 | 224 | 85  | 355 | 130 | 1630 | 2260 | 265 | -3.7                              | 26.3                   |
| 1QA1 352-2JA80-0AG2 | 2350                 | 710              | 840  | 1415 | 1180 | 224 | 85  | 355 | 130 | 1630 | 2260 | 265 | -5.5                              | 28.6                   |
| 1QA1 354-2JA80-0AG2 | 2450                 | 710              | 840  | 1415 | 1180 | 224 | 85  | 355 | 130 | 1630 | 2260 | 265 | -6.0                              | 30.1                   |
| 1QA1 356-2JA80-0AG2 | 2500                 | 710              | 840  | 1415 | 1180 | 224 | 85  | 355 | 130 | 1630 | 2260 | 265 | -9.0                              | 33.5                   |
| 1QA1 400-2JA80-0AG2 | 3050                 | 800              | 880  | 1510 | 1250 | 250 | 85  | 400 | 130 | 1735 | 2495 | 310 | -4.7                              | 34.6                   |
| 1QA1 402-2JA80-0AG2 | 3150                 | 800              | 880  | 1510 | 1250 | 250 | 85  | 400 | 130 | 1735 | 2495 | 310 | -8.6                              | 39.5                   |
| 1QA1 404-2JA80-0AG2 | 3200                 | 800              | 880  | 1510 | 1250 | 250 | 85  | 400 | 130 | 1735 | 2495 | 310 | -9.7                              | 41.1                   |
| 1QA1 406-2JA80-0AG2 | 3350                 | 800              | 880  | 1510 | 1250 | 250 | 85  | 400 | 130 | 1735 | 2495 | 310 | -11.4                             | 44.2                   |
| 1QA1 408-2JA80-0AG2 | 3400                 | 800              | 880  | 1510 | 1250 | 250 | 85  | 400 | 130 | 1735 | 2495 | 310 | -16.4                             | 49.8                   |
| 1QA1 453-2JA80-0JG2 | 4000                 | 850              | 1224 | 1958 | 1180 | 250 | 95  | 450 | 130 | 1890 | 2650 | 200 | -15.8                             | 55.1                   |
| 1QA1 454-2JA80-0AG2 | 4100                 | 850              | 1224 | 1958 | 1180 | 250 | 95  | 450 | 130 | 1890 | 2650 | 200 | -16.8                             | 57.1                   |
| 1QA1 457-2JA80-0AG2 | 4500                 | 850              | 1224 | 1958 | 1400 | 250 | 95  | 450 | 130 | 1890 | 2860 | 200 | -24.8                             | 68.9                   |
| 1QA1 458-2JA80-0AG2 | 4700                 | 850              | 1224 | 1958 | 1400 | 250 | 95  | 450 | 130 | 1890 | 2860 | 200 | -31.6                             | 77.7                   |
| 1QA1 504-2JA80-0AG2 | 5350                 | 950              | 1295 | 2100 | 1320 | 250 | 110 | 500 | 165 | 2200 | 2920 | 250 | -25.8                             | 78.3                   |
| 1QA1 507-2JA80-0AG2 | 5950                 | 950              | 1295 | 2100 | 1500 | 250 | 110 | 500 | 165 | 2200 | 3130 | 250 | -31.3                             | 89.6                   |
| 1QA1 508-2JA80-0AG2 | 6350                 | 950              | 1295 | 2100 | 1500 | 250 | 110 | 500 | 165 | 2200 | 3130 | 250 | -41.2                             | 103.5                  |

# 外形及安装尺寸图

## Outline and Installation Dimensions

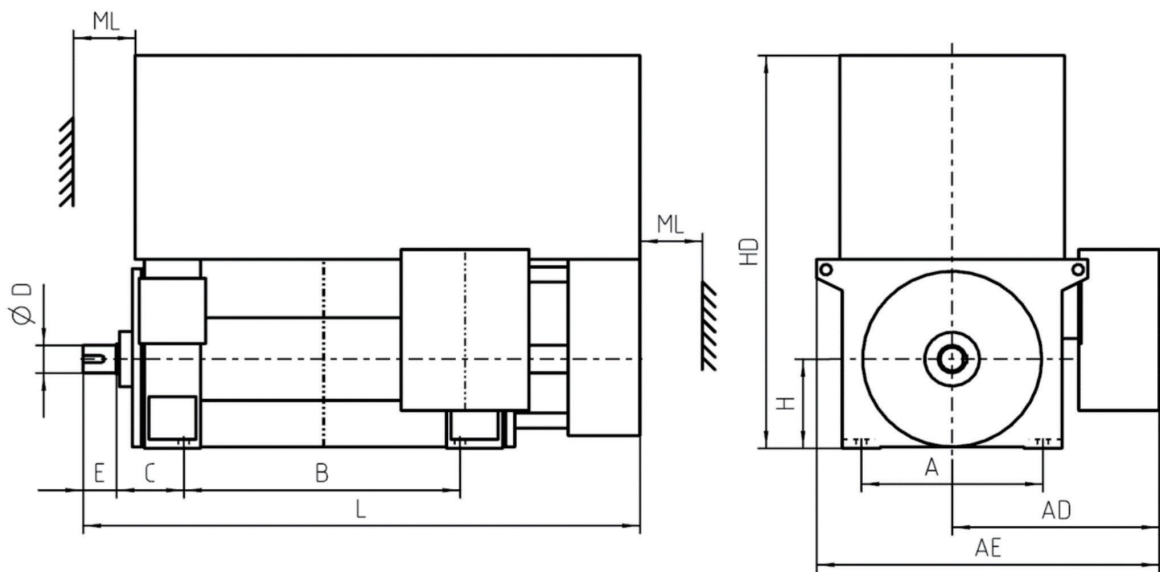


2 极 10 kV 50 Hz IC611

| 订货号<br>Order No.    | Total weight<br>电机总重 | Dimensions<br>尺寸 |      |      |      |     |     |     |     |      |      |     | Dyn. Foundation Loading<br>基础动态负荷 |                        |
|---------------------|----------------------|------------------|------|------|------|-----|-----|-----|-----|------|------|-----|-----------------------------------|------------------------|
|                     |                      | A                | AD   | AE   | B    | C   | D   | H   | E   | HD   | L    | ML  | tension up<br>向上                  | compression down<br>向下 |
|                     | kg                   | mm               |      |      |      |     |     |     |     |      |      |     | kN                                |                        |
| 1QA1 562-2JA80-0HJ2 | 7100                 | 1060             | 1370 | 2250 | 1400 | 600 | 150 | 560 | 200 | 2320 | 3450 | 300 | -42.3                             | 112.0                  |
| 1QA1 563-2JA80-0HJ2 | 7400                 | 1060             | 1370 | 2250 | 1400 | 600 | 150 | 560 | 200 | 2320 | 3450 | 300 | -38.9                             | 111.5                  |
| 1QA1 564-2JA80-0HJ2 | 7650                 | 1060             | 1370 | 2250 | 1400 | 600 | 150 | 560 | 200 | 2320 | 3450 | 300 | -60.6                             | 135.6                  |
| 1QA1 567-2JA80-0HJ2 | 8500                 | 1060             | 1370 | 2250 | 1600 | 600 | 150 | 560 | 200 | 2320 | 3680 | 300 | -63.1                             | 146.5                  |
| 1QA1 568-2JA80-0HJ2 | 9050                 | 1060             | 1370 | 2250 | 1600 | 600 | 150 | 560 | 200 | 2320 | 3680 | 300 | -82.6                             | 171.4                  |

# 外形及安装尺寸图

## Outline and Installation Dimensions

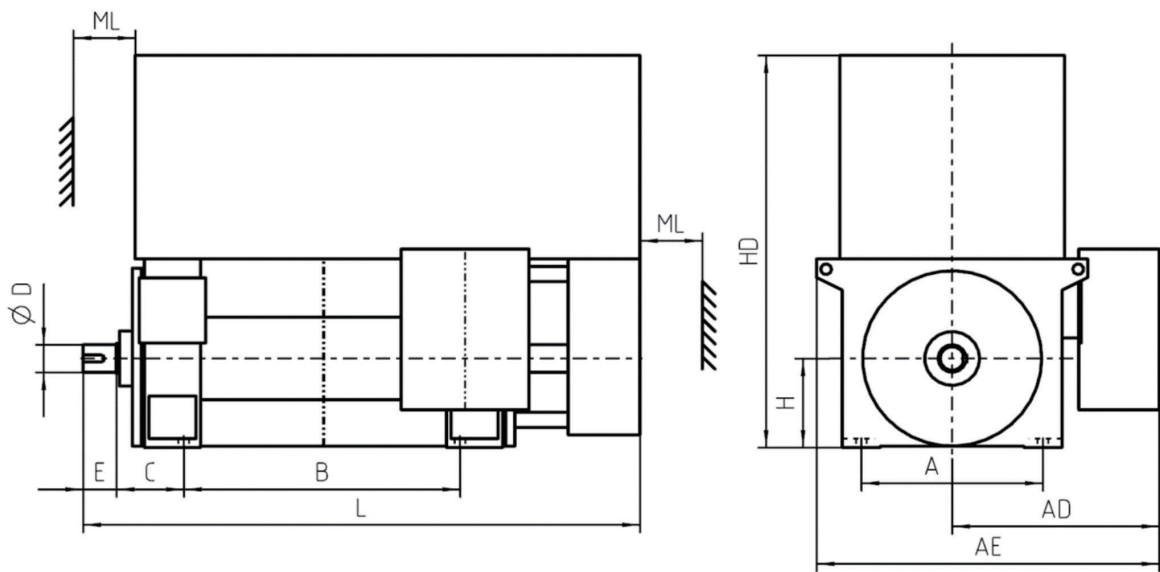


4 极 10 kV 50 Hz IC611

| 订货号<br>Order No.    | Total weight<br>电机总重 | Dimensions<br>尺寸 |      |      |      |     |     |     |     |      |      |     | Dyn. Foundation Loading<br>基础动态负荷 |                        |
|---------------------|----------------------|------------------|------|------|------|-----|-----|-----|-----|------|------|-----|-----------------------------------|------------------------|
|                     |                      | A                | AD   | AE   | B    | C   | D   | H   | E   | HD   | L    | ML  | tension up<br>向上                  | compression down<br>向下 |
|                     | kg                   | mm               |      |      |      |     |     |     |     |      |      |     | kN                                |                        |
| 1QA1 350-4JA80-0AG2 | 2400                 | 710              | 840  | 1415 | 1180 | 224 | 95  | 355 | 130 | 1630 | 2260 | 265 | -24.6                             | 48.2                   |
| 1QA1 352-4JA80-0AG2 | 2450                 | 710              | 840  | 1415 | 1180 | 224 | 95  | 355 | 130 | 1630 | 2260 | 265 | -26.3                             | 50.3                   |
| 1QA1 354-4JA80-0AG2 | 2550                 | 710              | 840  | 1415 | 1180 | 224 | 95  | 355 | 130 | 1630 | 2260 | 265 | -31.4                             | 56.5                   |
| 1QA1 356-4JA80-0AG2 | 2650                 | 710              | 840  | 1415 | 1180 | 224 | 95  | 355 | 130 | 1630 | 2260 | 265 | -37.8                             | 63.8                   |
| 1QA1 358-4JA80-0AG2 | 2750                 | 710              | 840  | 1415 | 1180 | 224 | 95  | 355 | 130 | 1630 | 2260 | 265 | -47.1                             | 74.0                   |
| 1QA1 400-4JA80-0AG2 | 3200                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1735 | 2530 | 310 | -36.1                             | 67.5                   |
| 1QA1 402-4JA80-0AG2 | 3300                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1735 | 2530 | 310 | -42.1                             | 74.4                   |
| 1QA1 404-4JA80-0AG2 | 3450                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1735 | 2530 | 310 | -48.5                             | 82.3                   |
| 1QA1 406-4JA80-0AG2 | 3600                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1735 | 2530 | 310 | -52.9                             | 88.2                   |
| 1QA1 454-4JA80-0JG2 | 4100                 | 850              | 1224 | 1958 | 1180 | 250 | 130 | 450 | 200 | 1890 | 2720 | 200 | -61                               | 101.2                  |
| 1QA1 457-4JA80-0JG2 | 4700                 | 850              | 1224 | 1958 | 1400 | 250 | 130 | 450 | 200 | 1890 | 2930 | 200 | -61.3                             | 107.4                  |
| 1QA1 458-4JA80-0JG2 | 4900                 | 850              | 1224 | 1958 | 1400 | 250 | 130 | 450 | 200 | 1890 | 2930 | 200 | -73.9                             | 122                    |
| 1QA1 503-4JA80-0JG2 | 5550                 | 950              | 1295 | 2100 | 1320 | 315 | 160 | 500 | 240 | 2200 | 3060 | 250 | -59.1                             | 113.6                  |
| 1QA1 504-4JA80-0AG2 | 5750                 | 950              | 1295 | 2100 | 1320 | 315 | 160 | 500 | 240 | 2200 | 3060 | 250 | -63.4                             | 119.8                  |
| 1QA1 507-4JA80-0JG2 | 6350                 | 950              | 1295 | 2100 | 1500 | 315 | 160 | 500 | 240 | 2200 | 3270 | 250 | -72.8                             | 135.1                  |
| 1QA1 508-4JA80-0JG2 | 6700                 | 950              | 1295 | 2100 | 1500 | 315 | 160 | 500 | 240 | 2200 | 3270 | 250 | -94.6                             | 160.3                  |
| 1QA1 563-4JA80-0CG2 | 7400                 | 1060             | 1370 | 2250 | 1400 | 335 | 190 | 560 | 280 | 2320 | 3260 | 300 | -91.6                             | 164.2                  |
| 1QA1 564-4JA80-0HG2 | 7900                 | 1060             | 1370 | 2250 | 1400 | 335 | 190 | 560 | 280 | 2320 | 3260 | 300 | -101                              | 178.5                  |
| 1QA1 566-4JA80-0HG2 | 8650                 | 1060             | 1370 | 2250 | 1600 | 335 | 190 | 560 | 280 | 2320 | 3490 | 300 | -124.7                            | 209.5                  |
| 1QA1 567-4JA80-0HG2 | 9150                 | 1060             | 1370 | 2250 | 1600 | 335 | 190 | 560 | 280 | 2320 | 3490 | 300 | -147.2                            | 236.9                  |
| 1QA1 568-4JA80-0CG2 | 9550                 | 1060             | 1370 | 2250 | 1600 | 335 | 190 | 560 | 280 | 2320 | 3490 | 300 | -172.3                            | 265.9                  |

# 外形及安装尺寸图

## Outline and Installation Dimensions

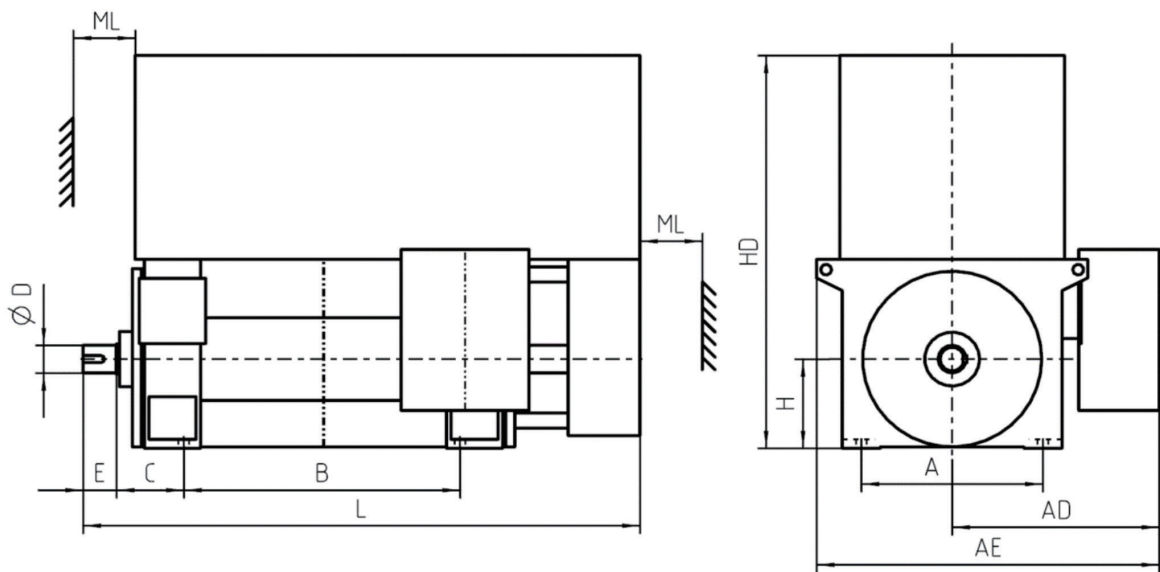


6 极 10 kV 50 Hz IC611

| 订货号<br>Order No.    | Total weight<br>电机总重 | Dimensions<br>尺寸 |      |      |      |     |     |     |     |      |      |     | Dyn. Foundation Loading<br>基础动态负荷 |                        |
|---------------------|----------------------|------------------|------|------|------|-----|-----|-----|-----|------|------|-----|-----------------------------------|------------------------|
|                     |                      | A                | AD   | AE   | B    | C   | D   | H   | E   | HD   | L    | ML  | tension up<br>向上                  | compression down<br>向下 |
|                     | kg                   | mm               |      |      |      |     |     |     |     |      |      |     | kN                                |                        |
| 1QA1 350-6JA80-0AG2 | 2650                 | 710              | 840  | 1415 | 1180 | 224 | 95  | 355 | 130 | 1630 | 2260 | 265 | -17.9                             | 43.9                   |
| 1QA1 352-6JA80-0AG2 | 2700                 | 710              | 840  | 1415 | 1180 | 224 | 95  | 355 | 130 | 1630 | 2260 | 265 | -14.8                             | 41.3                   |
| 1QA1 354-6JA80-0AG2 | 2800                 | 710              | 840  | 1415 | 1180 | 224 | 95  | 355 | 130 | 1630 | 2260 | 265 | -27.9                             | 55.4                   |
| 1QA1 356-6JA80-0AG2 | 2850                 | 710              | 840  | 1415 | 1180 | 224 | 95  | 355 | 130 | 1630 | 2260 | 265 | -35.3                             | 63.2                   |
| 1QA1 400-6JA80-0AG2 | 3300                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1735 | 2530 | 310 | -25.9                             | 58.3                   |
| 1QA1 402-6JA80-0AG2 | 3450                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1735 | 2530 | 310 | -30.6                             | 64.4                   |
| 1QA1 404-6JA80-0AG2 | 3650                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1735 | 2530 | 310 | -36.6                             | 72.4                   |
| 1QA1 406-6JA80-0AG2 | 3800                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1735 | 2530 | 310 | -46.7                             | 84.0                   |
| 1QA1 452-6JA80-0JG2 | 3800                 | 850              | 1224 | 1958 | 1180 | 250 | 130 | 450 | 200 | 1890 | 2720 | 200 | -54.4                             | 91.7                   |
| 1QA1 453-6JA80-0JG2 | 3950                 | 850              | 1224 | 1958 | 1180 | 250 | 130 | 450 | 200 | 1890 | 2720 | 200 | -59.6                             | 98.3                   |
| 1QA1 454-6JA80-0JG2 | 4150                 | 850              | 1224 | 1958 | 1180 | 250 | 130 | 450 | 200 | 1890 | 2720 | 200 | -66.1                             | 106.8                  |
| 1QA1 457-6JA80-0AG2 | 4600                 | 850              | 1224 | 1958 | 1400 | 250 | 130 | 450 | 200 | 1890 | 2930 | 200 | -72                               | 117.1                  |
| 1QA1 458-6JA80-0AG2 | 4850                 | 850              | 1224 | 1958 | 1400 | 250 | 130 | 450 | 200 | 1890 | 2930 | 200 | -80.1                             | 127.7                  |
| 1QA1 503-6JA80-0JG2 | 5650                 | 950              | 1295 | 2100 | 1320 | 315 | 160 | 500 | 240 | 2200 | 3060 | 250 | -78.9                             | 134.3                  |
| 1QA1 504-6JA80-0JG2 | 5900                 | 950              | 1295 | 2100 | 1320 | 315 | 160 | 500 | 240 | 2200 | 3060 | 250 | -80                               | 137.9                  |
| 1QA1 507-6JA80-0JG2 | 6500                 | 950              | 1295 | 2100 | 1500 | 315 | 160 | 500 | 240 | 2200 | 3270 | 250 | -102.9                            | 166.7                  |
| 1QA1 508-6JA80-0JG2 | 6800                 | 950              | 1295 | 2100 | 1500 | 315 | 160 | 500 | 240 | 2200 | 3270 | 250 | -126.9                            | 193.6                  |
| 1QA1 561-6JA80-0CG2 | 7350                 | 1060             | 1370 | 2250 | 1400 | 335 | 190 | 560 | 280 | 2320 | 3260 | 300 | -121.7                            | 193.8                  |
| 1QA1 562-6JA80-0HG2 | 7650                 | 1060             | 1370 | 2250 | 1400 | 335 | 190 | 560 | 280 | 2320 | 3260 | 300 | -131.8                            | 206.8                  |
| 1QA1 564-6JA80-0HG2 | 8350                 | 1060             | 1370 | 2250 | 1400 | 335 | 190 | 560 | 280 | 2320 | 3260 | 300 | -129.6                            | 211.5                  |
| 1QA1 567-6JA80-0HG2 | 9150                 | 1060             | 1370 | 2250 | 1600 | 335 | 190 | 560 | 280 | 2320 | 3490 | 300 | -171.3                            | 261                    |
| 1QA1 568-6JA80-0CG2 | 9750                 | 1060             | 1370 | 2250 | 1600 | 335 | 190 | 560 | 280 | 2320 | 3490 | 300 | -209.5                            | 305.1                  |

# 外形及安装尺寸图

## Outline and Installation Dimensions



8 极 10 kV 50 Hz IC611

| 订货号<br>Order No.    | Total weight<br>电机总重 | Dimensions<br>尺寸 |      |      |      |     |     |     |     |      |      |     | Dyn. Foundation Loading<br>基础动态负荷 |                        |
|---------------------|----------------------|------------------|------|------|------|-----|-----|-----|-----|------|------|-----|-----------------------------------|------------------------|
|                     |                      | A                | AD   | AE   | B    | C   | D   | H   | E   | HD   | L    | ML  | tension up<br>向上                  | compression down<br>向下 |
|                     | kg                   | mm               |      |      |      |     |     |     |     |      |      |     | kN                                |                        |
| 1QA1 400-8JA80-0JG2 | 3250                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1735 | 2530 | 310 | -24.3                             | 56.2                   |
| 1QA1 400-8JA80-0AG2 | 3200                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1735 | 2530 | 310 | -23.7                             | 55.1                   |
| 1QA1 402-8JA80-0AG2 | 3350                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1735 | 2530 | 310 | -29.1                             | 62.0                   |
| 1QA1 404-8JA80-0AG2 | 3500                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1735 | 2530 | 310 | -36.9                             | 71.3                   |
| 1QA1 406-8JA80-0AG2 | 3750                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1735 | 2530 | 310 | -38.0                             | 74.8                   |
| 1QA1 451-8JA80-0JG2 | 3800                 | 850              | 1224 | 1958 | 1180 | 250 | 130 | 450 | 200 | 1890 | 2720 | 200 | -35.3                             | 72.5                   |
| 1QA1 453-8JA80-0KG2 | 4150                 | 850              | 1224 | 1958 | 1180 | 250 | 130 | 450 | 200 | 1890 | 2720 | 200 | -41.9                             | 82.6                   |
| 1QA1 453-8JA80-0JG2 | 4150                 | 850              | 1224 | 1958 | 1180 | 250 | 130 | 450 | 200 | 1890 | 2720 | 200 | -49.9                             | 90.6                   |
| 1QA1 454-8JA80-0JG2 | 4400                 | 850              | 1224 | 1958 | 1180 | 250 | 130 | 450 | 200 | 1890 | 2720 | 200 | -70                               | 113.2                  |
| 1QA1 457-8JA80-0AG2 | 4850                 | 850              | 1224 | 1958 | 1400 | 250 | 130 | 450 | 200 | 1890 | 2930 | 200 | -75.8                             | 123.3                  |
| 1QA1 458-8JA80-0AG2 | 5100                 | 850              | 1224 | 1958 | 1400 | 250 | 130 | 450 | 200 | 1890 | 2930 | 200 | -86.9                             | 136.9                  |
| 1QA1 503-8JA80-0JG2 | 5650                 | 950              | 1295 | 2100 | 1320 | 315 | 160 | 500 | 240 | 2200 | 3060 | 250 | -76.7                             | 132.1                  |
| 1QA1 504-8JA80-0JG2 | 5900                 | 950              | 1295 | 2100 | 1320 | 315 | 160 | 500 | 240 | 2200 | 3060 | 250 | -78.8                             | 136.7                  |
| 1QA1 507-8JA80-0AG2 | 6500                 | 950              | 1295 | 2100 | 1500 | 315 | 160 | 500 | 240 | 2200 | 3270 | 250 | -109.5                            | 173.2                  |
| 1QA1 508-8JA80-0AG2 | 6850                 | 950              | 1295 | 2100 | 1500 | 315 | 160 | 500 | 240 | 2200 | 3270 | 250 | -127                              | 194.2                  |
| 1QA1 563-8JA80-0HG2 | 7850                 | 1060             | 1370 | 2250 | 1400 | 335 | 190 | 560 | 280 | 2320 | 3260 | 300 | -97.8                             | 174.8                  |
| 1QA1 564-8JA80-0HG2 | 8300                 | 1060             | 1370 | 2250 | 1400 | 335 | 190 | 560 | 280 | 2320 | 3260 | 300 | -121                              | 202.4                  |
| 1QA1 567-8JA80-0HG2 | 9150                 | 1060             | 1370 | 2250 | 1600 | 335 | 190 | 560 | 280 | 2320 | 3490 | 300 | -124.3                            | 214                    |
| 1QA1 568-8JA80-0HG2 | 9650                 | 1060             | 1370 | 2250 | 1600 | 335 | 190 | 560 | 280 | 2320 | 3490 | 300 | -148.1                            | 242.8                  |

# 选型技术数据表 Technical Data

## 2 极 6 kV 50 Hz IC81W

| 订货号<br>Order No.    | 额定<br>功率<br>Rated power<br>$P_N$ | 额定<br>转速<br>Rated speed<br>$n_N$ | 额定<br>电流<br>Rated current<br>$I_N$ | 效率<br>Efficiency | 功率<br>因数<br>Power factor | 额定<br>转矩<br>Rated torque<br>$T_N$ | 颠覆转矩<br>Breakdown torque<br>$T_{max} / T_N$ | 堵转转矩<br>Locked-rotor torque<br>$T_{st} / T_N$ | 堵转电流<br>Locked-rotor current<br>$I_{st} / I_N$ | 冷却<br>水流量<br>Cooling water flow | 转动惯量<br>Moment of Inertia |                                           |
|---------------------|----------------------------------|----------------------------------|------------------------------------|------------------|--------------------------|-----------------------------------|---------------------------------------------|-----------------------------------------------|------------------------------------------------|---------------------------------|---------------------------|-------------------------------------------|
|                     |                                  |                                  |                                    |                  |                          |                                   |                                             |                                               |                                                |                                 | 转子<br>Rotor               | 最大外拖 <sup>1)</sup><br>External max. perm. |
|                     | kW                               | r/min                            | A                                  | %                |                          | Nm                                |                                             |                                               |                                                | l/min                           | kg m <sup>2</sup>         | kg m <sup>2</sup>                         |
| 1QL1 350-2NA60-0AG2 | 560                              | 2963                             | 65                                 | 95.1             | 0.87                     | 1805                              | 2.3                                         | 0.6                                           | 5                                              | 100                             | 3                         | 40                                        |
| 1QL1 352-2NA60-0AG2 | 630                              | 2962                             | 72                                 | 95.2             | 0.88                     | 2031                              | 2.3                                         | 0.6                                           | 5                                              | 100                             | 3.5                       | 40                                        |
| 1QL1 354-2NA60-0AG2 | 710                              | 2961                             | 81                                 | 95.3             | 0.88                     | 2290                              | 2.3                                         | 0.6                                           | 5                                              | 100                             | 3.5                       | 40                                        |
| 1QL1 356-2NA60-0AG2 | 800                              | 2960                             | 90                                 | 95.6             | 0.89                     | 2581                              | 2.4                                         | 0.65                                          | 5.2                                            | 100                             | 4                         | 35                                        |
| 1QL1 400-2NA60-0AG2 | 900                              | 2970                             | 103                                | 95.7             | 0.88                     | 2894                              | 2.2                                         | 0.6                                           | 5                                              | 155                             | 6                         | 60                                        |
| 1QL1 402-2NA60-0AG2 | 1000                             | 2971                             | 114                                | 95.8             | 0.88                     | 3214                              | 2.3                                         | 0.6                                           | 5.1                                            | 155                             | 6.5                       | 60                                        |
| 1QL1 404-2NA60-0AG2 | 1120                             | 2971                             | 126                                | 95.9             | 0.89                     | 3600                              | 2.45                                        | 0.6                                           | 5.5                                            | 155                             | 7                         | 55                                        |
| 1QL1 406-2NA60-0AG2 | 1250                             | 2969                             | 141                                | 96.1             | 0.89                     | 4020                              | 2.3                                         | 0.7                                           | 5.4                                            | 155                             | 7.5                       | 55                                        |
| 1QL1 408-2NA60-0AG2 | 1400                             | 2968                             | 156                                | 96.2             | 0.9                      | 4504                              | 2.3                                         | 0.7                                           | 5.3                                            | 155                             | 8                         | 50                                        |
| 1QL1 453-2NA60-0JG2 | 1600                             | 2975                             | 180                                | 96.3             | 0.89                     | 5137                              | 2.1                                         | 0.5                                           | 5                                              | 170                             | 9.9                       | 60                                        |
| 1QL1 454-2NA60-0JG2 | 1800                             | 2975                             | 200                                | 96.3             | 0.89                     | 5781                              | 2.2                                         | 0.5                                           | 5                                              | 170                             | 10.6                      | 60                                        |
| 1QL1 457-2NA60-0AG2 | 2000                             | 2975                             | 220                                | 96.5             | 0.9                      | 6426                              | 2.25                                        | 0.55                                          | 5.2                                            | 170                             | 11.5                      | 65                                        |
| 1QL1 458-2NA60-0AG2 | 2240                             | 2975                             | 250                                | 96.6             | 0.9                      | 7192                              | 2.25                                        | 0.55                                          | 5.2                                            | 170                             | 12.7                      | 65                                        |
| 1QL1 507-2NA60-0KG2 | 2500                             | 2976                             | 275                                | 96.9             | 0.91                     | 8022                              | 2.8                                         | 0.75                                          | 5.7                                            | 240                             | 17.6                      | 88                                        |
| 1QL1 507-2NA60-0JG2 | 2800                             | 2972                             | 305                                | 96.8             | 0.91                     | 9001                              | 2.5                                         | 0.7                                           | 5.1                                            | 240                             | 17.6                      | 76                                        |
| 1QL1 508-2NA60-0JG2 | 3150                             | 2975                             | 345                                | 96.9             | 0.91                     | 10115                             | 2.8                                         | 0.75                                          | 5.8                                            | 240                             | 19.8                      | 90                                        |
| 1QL1 508-2NA60-0HG2 | 3550                             | 2976                             | 385                                | 97               | 0.92                     | 11399                             | 2.4                                         | 0.7                                           | 4.9                                            | 240                             | 26.6                      | 134                                       |
| 1QL1 562-2NA60-0HJ2 | 4000                             | 2979                             | 440                                | 96.8             | 0.9                      | 12826                             | 2.05                                        | 0.55                                          | 4.6                                            | 320                             | 41.2                      | 250                                       |
| 1QL1 563-2NA60-0CJ2 | 4500                             | 2978                             | 500                                | 96.8             | 0.89                     | 14432                             | 2                                           | 0.5                                           | 4.5                                            | 320                             | 44                        | 230                                       |
| 1QL1 564-2NA60-0CJ2 | 5000                             | 2979                             | 550                                | 96.9             | 0.91                     | 16029                             | 2.15                                        | 0.5                                           | 4.8                                            | 320                             | 47                        | 250                                       |
| 1QL1 567-2NA60-0CJ2 | 5600                             | 2980                             | 610                                | 97               | 0.91                     | 17951                             | 2.1                                         | 0.55                                          | 4.8                                            | 320                             | 51.8                      | 255                                       |
| 1QL1 568-2NA60-0HJ2 | 6300                             | 2982                             | 680                                | 97.3             | 0.91                     | 20186                             | 2.3                                         | 0.55                                          | 5.2                                            | 320                             | 57.8                      | 275                                       |

- <sup>1)</sup> 直接起动时的最大外部转动惯量是基于以下条件：

  - 三次冷起/两次热起（中心高450、500为两次冷起/一次热起）
  - 起动电压不小于 0.9 倍额定电压  $U_N$
  - 负载转矩与转速成平方关系
  - 额定速度时负载阻转矩不应超过额定转矩  $T_N$  的 60%
- <sup>1)</sup> The maximum external moment of inertia for direct online starting is based on the following conditions:

  - Three starts from cold or two starts from warm (SH450,500 is two starts from cold or one starts from warm)
  - The starting voltage is not less than 0.9 x rated voltage  $U_N$
  - The load torque increases approximately according to a square- law with the speed
  - The load torque at rated speed should not exceed 60 %

上述电气参数为典型值，具体保证值可根据需求提供。

The electrical parameters listed above are typical values. The guaranteed values can be provided on request.



# 选型技术数据表 Technical Data

## 4 极 6 kV 50 Hz IC81W

| 订货号<br>Order No.    | 额定功率<br>Rated power<br>$P_N$ | 额定转速<br>Rated speed<br>$n_N$ | 额定电流<br>Rated current<br>$I_N$ | 效率<br>Efficiency | 功率因数<br>Power factor | 额定转矩<br>Rated torque<br>$T_N$ | 颠覆转矩<br>Breakdown torque<br>$T_{max} / T_N$ | 堵转转矩<br>Locked-rotor torque<br>$T_{st} / T_N$ | 堵转电流<br>Locked-rotor current<br>$I_{st} / I_N$ | 冷却水流量<br>Cooling water flow | 转动惯量<br>Moment of Inertia |                                           |
|---------------------|------------------------------|------------------------------|--------------------------------|------------------|----------------------|-------------------------------|---------------------------------------------|-----------------------------------------------|------------------------------------------------|-----------------------------|---------------------------|-------------------------------------------|
|                     |                              |                              |                                |                  |                      |                               |                                             |                                               |                                                |                             | 转子<br>Rotor               | 最大外拖 <sup>1)</sup><br>External max. perm. |
|                     | kW                           | r/min                        | A                              | %                |                      | Nm                            |                                             |                                               |                                                | l/min                       | kg m <sup>2</sup>         | kg m <sup>2</sup>                         |
| 1QL1 350-4NA60-0AG2 | 560                          | 1481                         | 68                             | 95               | 0.84                 | 3611                          | 2.5                                         | 0.8                                           | 5.4                                            | 100                         | 5.8                       | 270                                       |
| 1QL1 352-4NA60-0AG2 | 630                          | 1482                         | 76                             | 95.2             | 0.84                 | 4059                          | 2.5                                         | 0.8                                           | 5.4                                            | 100                         | 6.1                       | 260                                       |
| 1QL1 354-4NA60-0AG2 | 710                          | 1481                         | 85                             | 95.4             | 0.84                 | 4578                          | 2.5                                         | 0.8                                           | 5.4                                            | 100                         | 6.7                       | 275                                       |
| 1QL1 356-4NA60-0AG2 | 800                          | 1482                         | 95                             | 95.5             | 0.85                 | 5155                          | 2.5                                         | 0.85                                          | 5.4                                            | 100                         | 7.4                       | 295                                       |
| 1QL1 358-4NA60-0AG2 | 900                          | 1482                         | 107                            | 95.6             | 0.85                 | 5799                          | 2.5                                         | 0.85                                          | 5.5                                            | 100                         | 8.1                       | 315                                       |
| 1QL1 400-4NA60-0AG2 | 1000                         | 1482                         | 120                            | 95.7             | 0.84                 | 6444                          | 2.15                                        | 0.8                                           | 5.2                                            | 155                         | 11.3                      | 400                                       |
| 1QL1 402-4NA60-0AG2 | 1120                         | 1483                         | 132                            | 95.8             | 0.85                 | 7212                          | 2.15                                        | 0.8                                           | 5.2                                            | 155                         | 12.1                      | 420                                       |
| 1QL1 404-4NA60-0AG2 | 1250                         | 1483                         | 146                            | 96               | 0.86                 | 8049                          | 2.2                                         | 0.8                                           | 5.2                                            | 155                         | 13.5                      | 460                                       |
| 1QL1 406-4NA60-0AG2 | 1400                         | 1483                         | 165                            | 96               | 0.85                 | 9015                          | 2.3                                         | 0.85                                          | 5.3                                            | 155                         | 14.8                      | 470                                       |
| 1QL1 454-4NA60-0JG2 | 1600                         | 1482                         | 180                            | 96.1             | 0.89                 | 10315                         | 2.4                                         | 0.7                                           | 5.5                                            | 170                         | 18.6                      | 310                                       |
| 1QL1 457-4NA60-0JG2 | 1800                         | 1484                         | 200                            | 96.3             | 0.89                 | 11587                         | 2.6                                         | 0.8                                           | 6                                              | 170                         | 22.2                      | 420                                       |
| 1QL1 458-4NA60-0JG2 | 2000                         | 1484                         | 225                            | 96.4             | 0.89                 | 12877                         | 2.7                                         | 0.85                                          | 6                                              | 170                         | 24.3                      | 435                                       |
| 1QL1 503-4NA60-0JG2 | 2240                         | 1486                         | 250                            | 96.7             | 0.89                 | 14400                         | 2.5                                         | 0.85                                          | 5.5                                            | 240                         | 37                        | 545                                       |
| 1QL1 504-4NA60-0JG2 | 2500                         | 1487                         | 275                            | 96.8             | 0.9                  | 16068                         | 2.55                                        | 0.9                                           | 5.7                                            | 240                         | 40.5                      | 585                                       |
| 1QL1 507-4NA60-0JG2 | 2800                         | 1486                         | 310                            | 96.9             | 0.9                  | 18003                         | 2.45                                        | 0.85                                          | 5.5                                            | 240                         | 45.5                      | 655                                       |
| 1QL1 508-4NA60-0JG2 | 3150                         | 1485                         | 350                            | 96.9             | 0.9                  | 20270                         | 2.4                                         | 0.9                                           | 5.4                                            | 240                         | 50.5                      | 705                                       |
| 1QL1 562-4NA60-0CG2 | 3550                         | 1490                         | 396                            | 97               | 0.89                 | 22752                         | 2                                           | 0.6                                           | 4.8                                            | 320                         | 154.8                     | 615                                       |
| 1QL1 563-4NA60-0CG2 | 4000                         | 1489                         | 446                            | 97               | 0.89                 | 25653                         | 1.95                                        | 0.6                                           | 4.7                                            | 320                         | 164.9                     | 580                                       |
| 1QL1 564-4NA60-0HG2 | 4500                         | 1490                         | 501                            | 97.1             | 0.89                 | 28840                         | 2.05                                        | 0.6                                           | 4.9                                            | 320                         | 185                       | 685                                       |
| 1QL1 566-4NA60-0HG2 | 5000                         | 1491                         | 556                            | 97.3             | 0.89                 | 32023                         | 2.15                                        | 0.65                                          | 5.2                                            | 320                         | 204.2                     | 735                                       |
| 1QL1 567-4NA60-0HG2 | 5600                         | 1490                         | 622                            | 97.3             | 0.89                 | 35890                         | 2.05                                        | 0.6                                           | 5                                              | 320                         | 224.9                     | 760                                       |
| 1QL1 568-4NA60-0CG2 | 6300                         | 1491                         | 692                            | 97.4             | 0.9                  | 40349                         | 2.2                                         | 0.7                                           | 5.4                                            | 320                         | 243.9                     | 760                                       |

<sup>1)</sup> 直接起动时的最大外部转动惯量是基于以下条件：

- 三次冷起/两次热起
- 起动电压不小于 0.9 倍额定电压  $U_N$
- 负载转矩与转速成平方关系
- 额定速度时负载阻转矩不应超过额定转矩  $T_N$  的 90%

上述电气参数为典型值，具体保证值可根据需求提供

<sup>1)</sup> The maximum external moment of inertia for direct online starting is based on the following conditions:

- Three starts from cold or two starts from warm
- The starting voltage is not less than 0.9 x rated voltage  $U_N$
- The load torque increases approximately according to a square- law with the speed
- The load torque at rated speed should not exceed 90% rated torque  $T_N$

The electrical parameters listed above are typical values. The guaranteed values can be provided on request

# 选型技术数据表 Technical Data

## 6 极 6 kV 50 Hz IC81W

| 订货号<br>Order No.    | 额定<br>功率<br>Rated<br>power<br>$P_N$ | 额定<br>转速<br>Rated<br>speed<br>$n_N$ | 额定<br>电流<br>Rated<br>current<br>$I_N$ | 效率<br>Efficiency | 功率<br>因数<br>Power<br>factor | 额定<br>转矩<br>Rated<br>torque<br>$T_N$ | 颠覆转矩<br>Breakdown<br>torque<br>$T_{max} / T_N$ | 堵转转矩<br>Locked-rotor<br>torque<br>$T_{st} / T_N$ | 堵转电流<br>Locked-rotor<br>current<br>$I_{st} / I_N$ | 冷却<br>水流量<br>Cooling water<br>flow | 转动惯量<br>Moment of Inertia |                                              |
|---------------------|-------------------------------------|-------------------------------------|---------------------------------------|------------------|-----------------------------|--------------------------------------|------------------------------------------------|--------------------------------------------------|---------------------------------------------------|------------------------------------|---------------------------|----------------------------------------------|
|                     |                                     |                                     |                                       |                  |                             |                                      |                                                |                                                  |                                                   |                                    | 转子<br>Rotor               | 最大外拖 <sup>1)</sup><br>External max.<br>perm. |
|                     | kW                                  | r/min                               | A                                     | %                |                             | Nm                                   |                                                |                                                  |                                                   | l/min                              | kg m <sup>2</sup>         | kg m <sup>2</sup>                            |
| IQL1 350-6NA60-0AG2 | 450                                 | 990                                 | 55                                    | 95               | 0.83                        | 4341                                 | 2.3                                            | 0.95                                             | 5.5                                               | 100                                | 10                        | 200                                          |
| IQL1 352-6NA60-0AG2 | 500                                 | 988                                 | 60                                    | 95.2             | 0.84                        | 4833                                 | 2.1                                            | 0.8                                              | 5.4                                               | 100                                | 10                        | 275                                          |
| IQL1 354-6NA60-0AG2 | 560                                 | 989                                 | 68                                    | 95.1             | 0.83                        | 5407                                 | 2.15                                           | 0.85                                             | 5.5                                               | 100                                | 11                        | 195                                          |
| IQL1 356-6NA60-0AG2 | 630                                 | 989                                 | 77                                    | 95.3             | 0.83                        | 6083                                 | 2.2                                            | 0.9                                              | 5.5                                               | 100                                | 12                        | 320                                          |
| IQL1 400-6NA60-0AG2 | 710                                 | 988                                 | 85                                    | 95.4             | 0.84                        | 6862                                 | 2                                              | 0.8                                              | 5.2                                               | 155                                | 16                        | 570                                          |
| IQL1 402-6NA60-0AG2 | 800                                 | 988                                 | 95                                    | 95.5             | 0.85                        | 7732                                 | 2                                              | 0.8                                              | 5                                                 | 155                                | 18                        | 600                                          |
| IQL1 404-6NA60-0AG2 | 900                                 | 991                                 | 110                                   | 95.8             | 0.82                        | 8672                                 | 2.55                                           | 1                                                | 5.6                                               | 155                                | 20                        | 915                                          |
| IQL1 406-6NA60-0AG2 | 1000                                | 988                                 | 118                                   | 95.7             | 0.85                        | 9665                                 | 2.1                                            | 0.8                                              | 5.4                                               | 155                                | 22                        | 745                                          |
| IQL1 453-6NA60-0JG2 | 1120                                | 989                                 | 130                                   | 95.8             | 0.86                        | 10822                                | 2.3                                            | 0.8                                              | 5.5                                               | 240                                | 22.2                      | 1030                                         |
| IQL1 454-6NA60-0JG2 | 1250                                | 989                                 | 146                                   | 96               | 0.86                        | 12068                                | 2.3                                            | 0.8                                              | 5.5                                               | 240                                | 24.5                      | 1200                                         |
| IQL1 457-6NA60-0JG2 | 1400                                | 989                                 | 164                                   | 96               | 0.86                        | 13526                                | 2.3                                            | 0.8                                              | 5.5                                               | 240                                | 27.5                      | 1220                                         |
| IQL1 458-6NA60-0JG2 | 1600                                | 989                                 | 186                                   | 96.1             | 0.86                        | 15457                                | 2.3                                            | 0.8                                              | 5.5                                               | 240                                | 31.2                      | 1250                                         |
| IQL1 502-6NA60-0AG2 | 1800                                | 990                                 | 210                                   | 96.2             | 0.85                        | 17362                                | 2.15                                           | 0.85                                             | 4.5                                               | 320                                | 42                        | 1620                                         |
| IQL1 503-6NA60-0AG2 | 2000                                | 990                                 | 230                                   | 96.4             | 0.86                        | 19292                                | 2.15                                           | 0.85                                             | 4.6                                               | 320                                | 46.5                      | 1790                                         |
| IQL1 504-6NA60-0JG2 | 2240                                | 990                                 | 260                                   | 96.4             | 0.86                        | 21606                                | 2.2                                            | 0.9                                              | 4.7                                               | 320                                | 51                        | 1780                                         |
| IQL1 507-6NA60-0JG2 | 2500                                | 990                                 | 290                                   | 96.5             | 0.86                        | 24114                                | 2.25                                           | 0.95                                             | 4.8                                               | 320                                | 57.5                      | 2150                                         |
| IQL1 562-6NA60-0HG2 | 2800                                | 992                                 | 325                                   | 96.7             | 0.86                        | 26954                                | 2                                              | 0.6                                              | 5.5                                               | 220                                | 105.3                     | 2430                                         |
| IQL1 563-6NA60-0HG2 | 3150                                | 992                                 | 365                                   | 96.8             | 0.86                        | 30323                                | 2                                              | 0.6                                              | 5.5                                               | 220                                | 113.1                     | 2500                                         |
| IQL1 564-6NA60-0HG2 | 3550                                | 992                                 | 410                                   | 96.9             | 0.86                        | 34173                                | 2                                              | 0.6                                              | 5.5                                               | 220                                | 123.5                     | 2485                                         |
| IQL1 567-6NA60-0HG2 | 4000                                | 992                                 | 460                                   | 97               | 0.86                        | 38505                                | 2                                              | 0.6                                              | 5.5                                               | 220                                | 137.1                     | 2600                                         |
| IQL1 568-6NA60-0HG2 | 4500                                | 993                                 | 520                                   | 97.1             | 0.86                        | 43275                                | 2                                              | 0.6                                              | 5.5                                               | 220                                | 150.6                     | 2945                                         |

- <sup>1)</sup> 直接起动时的最大外部转动惯量是基于以下条件：

  - 三次冷起/两次热起
  - 起动电压不小于 0.9 倍额定电压  $U_N$
  - 负载转矩与转速成平方关系
  - 一额定速度时负载阻转矩不应超过额定转矩  $T_N$  的 90%
- <sup>1)</sup> The maximum external moment of inertia for direct online starting is based on the following conditions:

  - Three starts from cold or two starts from warm
  - The starting voltage is not less than 0.9 x rated voltage  $U_N$
  - The load torque increases approximately according to a square- law with the speed
  - The load torque at rated speed should not exceed 90% rated torque  $T_N$

上述电气参数为典型值，具体保证值可根据需求提供

The electrical parameters listed above are typical values. The guaranteed values can be provided on request

# 选型技术数据表 Technical Data

## 8 极 6 kV 50 Hz IC81W

| 订货号<br>Order No.    | 额定功率<br>Rated power<br>$P_N$ | 额定转速<br>Rated speed<br>$n_N$ | 额定电流<br>Rated current<br>$I_N$ | 效率<br>Efficiency | 功率因数<br>Power factor | 额定转矩<br>Rated torque<br>$T_N$ | 颠覆转矩<br>Breakdown torque<br>$T_{max} / T_N$ | 堵转转矩<br>Locked-rotor torque<br>$T_{st} / T_N$ | 堵转电流<br>Locked-rotor current<br>$I_{st} / I_N$ | 冷却水流量<br>Cooling water flow | 转动惯量<br>Moment of Inertia |                                           |
|---------------------|------------------------------|------------------------------|--------------------------------|------------------|----------------------|-------------------------------|---------------------------------------------|-----------------------------------------------|------------------------------------------------|-----------------------------|---------------------------|-------------------------------------------|
|                     |                              |                              |                                |                  |                      |                               |                                             |                                               |                                                |                             | 转子<br>Rotor               | 最大外拖 <sup>1)</sup><br>External max. perm. |
|                     | kW                           | r/min                        | A                              | %                |                      | Nm                            |                                             |                                               |                                                | l/min                       | kg m <sup>2</sup>         | kg m <sup>2</sup>                         |
| IQL1 350-8NA60-0AG2 | 280                          | 742                          | 37                             | 93.7             | 0.78                 | 3604                          | 2.45                                        | 0.85                                          | 5.2                                            | 100                         | 9.5                       | 480                                       |
| IQL1 352-8NA60-0AG2 | 315                          | 742                          | 41.5                           | 94               | 0.78                 | 4054                          | 2.45                                        | 0.85                                          | 5.2                                            | 100                         | 10                        | 660                                       |
| IQL1 354-8NA60-0AG2 | 355                          | 742                          | 47                             | 94               | 0.77                 | 4569                          | 2.5                                         | 0.9                                           | 5.3                                            | 100                         | 10.5                      | 580                                       |
| IQL1 356-8NA60-0AG2 | 400                          | 742                          | 53                             | 94.2             | 0.77                 | 5148                          | 2.5                                         | 0.9                                           | 5.3                                            | 100                         | 11.5                      | 590                                       |
| IQL1 400-8NA60-0JG2 | 450                          | 744                          | 61                             | 94.6             | 0.75                 | 5776                          | 2.5                                         | 0.85                                          | 5                                              | 155                         | 15                        | 960                                       |
| IQL1 400-8NA60-0AG2 | 500                          | 744                          | 67                             | 94.8             | 0.76                 | 6418                          | 2.25                                        | 0.8                                           | 4.6                                            | 155                         | 15                        | 770                                       |
| IQL1 402-8NA60-0AG2 | 560                          | 743                          | 75                             | 94.9             | 0.76                 | 7197                          | 2.25                                        | 0.8                                           | 4.6                                            | 155                         | 16                        | 830                                       |
| IQL1 404-8NA60-0AG2 | 630                          | 743                          | 81                             | 95               | 0.79                 | 8097                          | 2.2                                         | 0.8                                           | 4.6                                            | 155                         | 18.5                      | 870                                       |
| IQL1 406-8NA60-0AG2 | 710                          | 744                          | 90                             | 95               | 0.8                  | 9113                          | 2.2                                         | 0.8                                           | 4.6                                            | 155                         | 21                        | 1100                                      |
| IQL1 452-8NA60-0JG2 | 800                          | 739                          | 100                            | 95.2             | 0.81                 | 10328                         | 1.85                                        | 0.6                                           | 4                                              | 240                         | 24.8                      | 1700                                      |
| IQL1 453-8NA60-0JG2 | 900                          | 739                          | 112                            | 95.3             | 0.81                 | 11617                         | 1.85                                        | 0.6                                           | 4                                              | 240                         | 27.8                      | 2180                                      |
| IQL1 454-8NA60-0AG2 | 1000                         | 739                          | 124                            | 95.4             | 0.81                 | 12919                         | 1.85                                        | 0.6                                           | 4                                              | 240                         | 31.3                      | 2450                                      |
| IQL1 457-8NA60-0JG2 | 1120                         | 740                          | 140                            | 95.5             | 0.81                 | 14455                         | 1.95                                        | 0.65                                          | 4.5                                            | 240                         | 35.2                      | 2750                                      |
| IQL1 458-8NA60-0JG2 | 1250                         | 740                          | 156                            | 95.6             | 0.81                 | 16133                         | 1.95                                        | 0.65                                          | 4.5                                            | 240                         | 39                        | 2810                                      |
| IQL1 502-8NA60-0AG2 | 1400                         | 742                          | 174                            | 95.9             | 0.81                 | 18018                         | 1.95                                        | 0.7                                           | 3.9                                            | 320                         | 46                        | 2280                                      |
| IQL1 503-8NA60-0AG2 | 1600                         | 741                          | 196                            | 96               | 0.82                 | 20619                         | 1.85                                        | 0.7                                           | 3.7                                            | 320                         | 51                        | 2130                                      |
| IQL1 507-8NA60-0JG2 | 1800                         | 743                          | 220                            | 96.3             | 0.82                 | 23134                         | 2.1                                         | 0.8                                           | 4.3                                            | 320                         | 63                        | 3670                                      |
| IQL1 508-8NA60-0AG2 | 2000                         | 743                          | 245                            | 96.4             | 0.82                 | 25705                         | 2.15                                        | 0.85                                          | 4.4                                            | 320                         | 69                        | 3790                                      |
| IQL1 563-8NA60-0HG2 | 2240                         | 744                          | 270                            | 96.3             | 0.83                 | 28751                         | 2.05                                        | 0.55                                          | 4.5                                            | 220                         | 123.6                     | 3285                                      |
| IQL1 564-8NA60-0HG2 | 2500                         | 744                          | 300                            | 96.4             | 0.83                 | 32088                         | 2.1                                         | 0.6                                           | 4.6                                            | 220                         | 136.6                     | 3735                                      |
| IQL1 567-8NA60-0HG2 | 2800                         | 744                          | 335                            | 96.6             | 0.83                 | 35938                         | 2.2                                         | 0.65                                          | 4.9                                            | 220                         | 150.3                     | 4420                                      |
| IQL1 568-8NA60-0HG2 | 3150                         | 744                          | 375                            | 96.8             | 0.83                 | 40430                         | 2.2                                         | 0.6                                           | 4.8                                            | 220                         | 164.6                     | 6540                                      |

- <sup>1)</sup> 直接起动时的最大外部转动惯量是基于以下条件：

  - 三次冷起/两次热起
  - 起动电压不小于 0.9 倍额定电压  $U_N$
  - 负载转矩与转速成平方关系
  - 一额定速度时负载阻转矩不应超过额定转矩  $T_N$  的 90%
- <sup>1)</sup> The maximum external moment of inertia for direct online starting is based on the following conditions:

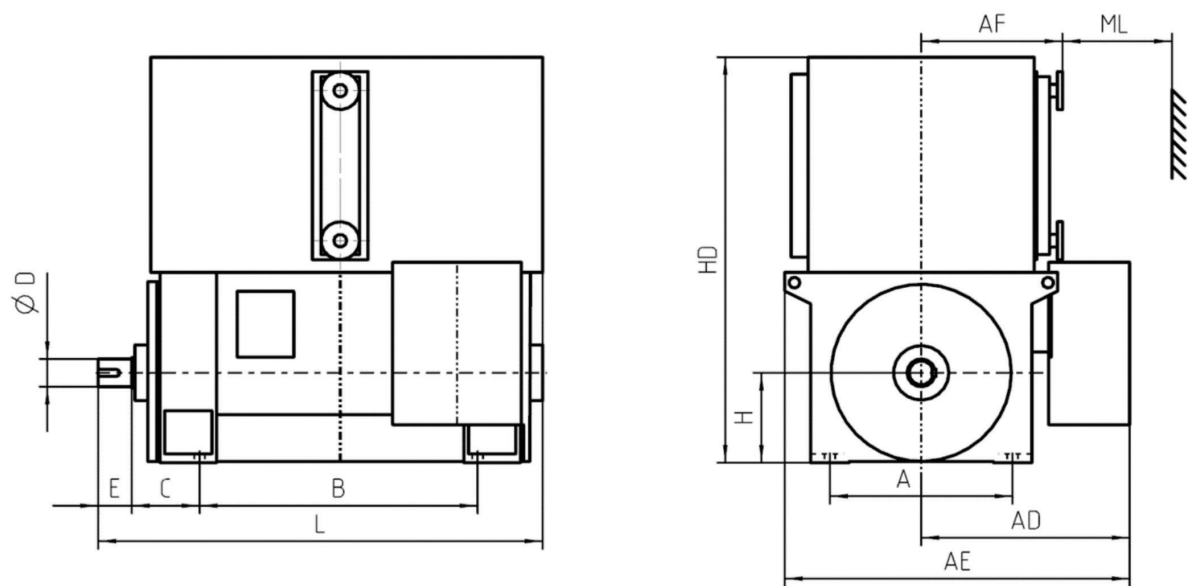
  - Three starts from cold or two starts from warm
  - The starting voltage is not less than 0.9 x rated voltage  $U_N$
  - The load torque increases approximately according to a square- law with the speed
  - The load torque at rated speed should not exceed 90% rated torque  $T_N$

上述电气参数为典型值，具体保证值可根据需求提供

The electrical parameters listed above are typical values. The guaranteed values can be provided on request

# 外形及安装尺寸图

## Outline and Installation Dimensions

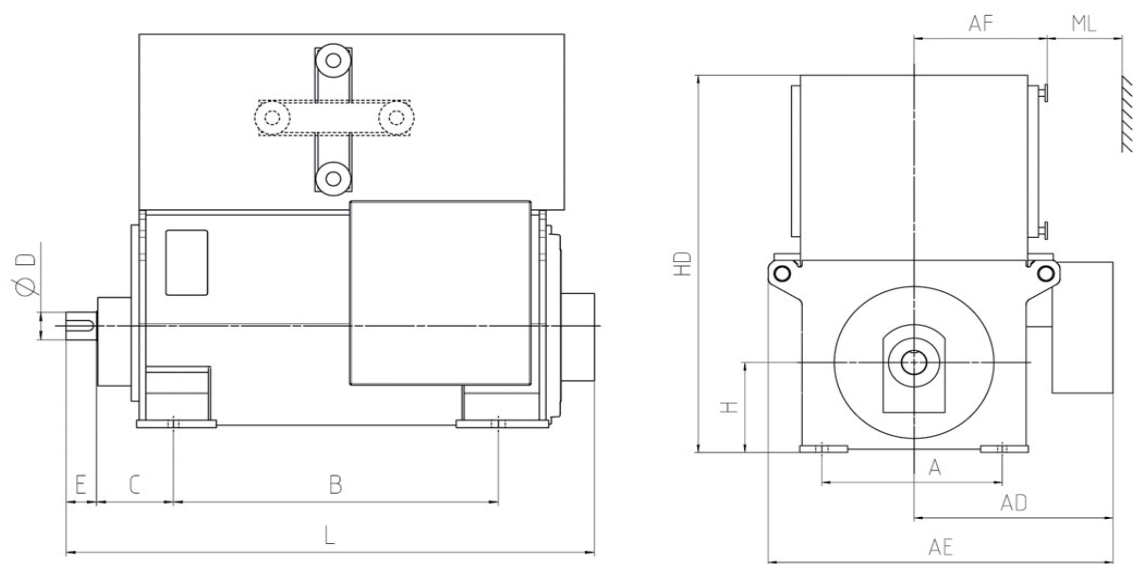


2 极 6 kV 50 Hz IC81W

| 订货号<br>Order No.    | Total weight<br>电机总重 | Dimensions<br>尺寸 |      |      |      |     |     |     |     |      |      |      | Dyn. Foundation Loading<br>基础动态负荷 |                        |
|---------------------|----------------------|------------------|------|------|------|-----|-----|-----|-----|------|------|------|-----------------------------------|------------------------|
|                     |                      | A                | AD   | AE   | B    | C   | D   | H   | E   | HD   | L    | ML   | tension up<br>向上                  | compression down<br>向下 |
|                     | kg                   | mm               |      |      |      |     |     |     |     |      |      |      | kN                                |                        |
| 1QL1 350-2NA60-0AG2 | 2250                 | 710              | 730  | 1305 | 1180 | 224 | 85  | 355 | 130 | 1570 | 1765 | 1250 | -3.7                              | 25.7                   |
| 1QL1 352-2NA60-0AG2 | 2300                 | 710              | 730  | 1305 | 1180 | 224 | 85  | 355 | 130 | 1570 | 1765 | 1250 | -6.5                              | 29.1                   |
| 1QL1 354-2NA60-0AG2 | 2400                 | 710              | 730  | 1305 | 1180 | 224 | 85  | 355 | 130 | 1570 | 1765 | 1250 | -8.8                              | 32.3                   |
| 1QL1 356-2NA60-0AG2 | 2450                 | 710              | 730  | 1305 | 1180 | 224 | 85  | 355 | 130 | 1570 | 1765 | 1250 | -11.6                             | 35.6                   |
| 1QL1 400-2NA60-0AG2 | 2850                 | 800              | 770  | 1400 | 1250 | 250 | 85  | 400 | 130 | 1585 | 1890 | 1350 | -8.1                              | 36.0                   |
| 1QL1 402-2NA60-0AG2 | 2950                 | 800              | 770  | 1400 | 1250 | 250 | 85  | 400 | 130 | 1585 | 1890 | 1350 | -11.8                             | 40.7                   |
| 1QL1 404-2NA60-0AG2 | 3050                 | 800              | 770  | 1400 | 1250 | 250 | 85  | 400 | 130 | 1585 | 1890 | 1350 | -15.8                             | 45.7                   |
| 1QL1 406-2NA60-0AG2 | 3150                 | 800              | 770  | 1400 | 1250 | 250 | 85  | 400 | 130 | 1585 | 1890 | 1350 | -21.9                             | 52.8                   |
| 1QL1 408-2NA60-0AG2 | 3250                 | 800              | 770  | 1400 | 1250 | 250 | 85  | 400 | 130 | 1585 | 1890 | 1350 | -25.1                             | 57.0                   |
| 1QL1 453-2NA60-0JG2 | 3700                 | 850              | 1114 | 1848 | 1180 | 250 | 95  | 450 | 130 | 1590 | 1840 | 1600 | -19.1                             | 55.4                   |
| 1QL1 454-2NA60-0JG2 | 3850                 | 850              | 1114 | 1848 | 1180 | 250 | 95  | 450 | 130 | 1590 | 1840 | 1600 | -25.1                             | 62.9                   |
| 1QL1 457-2NA60-0AG2 | 4150                 | 850              | 1114 | 1848 | 1400 | 250 | 95  | 450 | 130 | 1590 | 2050 | 1600 | -30.1                             | 70.8                   |
| 1QL1 458-2NA60-0AG2 | 4400                 | 850              | 1114 | 1848 | 1400 | 250 | 95  | 450 | 130 | 1590 | 2050 | 1600 | -33.9                             | 77                     |
| 1QL1 507-2NA60-0KG2 | 5500                 | 950              | 1185 | 1990 | 1500 | 250 | 110 | 500 | 165 | 1730 | 2170 | 1750 | -35.6                             | 89.5                   |
| 1QL1 507-2NA60-0JG2 | 5500                 | 950              | 1185 | 1990 | 1500 | 250 | 110 | 500 | 165 | 1730 | 2170 | 1750 | -38.2                             | 92.2                   |
| 1QL1 508-2NA60-0JG2 | 5800                 | 950              | 1185 | 1990 | 1500 | 250 | 110 | 500 | 165 | 1730 | 2170 | 1750 | -55.7                             | 112.6                  |

# 外形及安装尺寸图

## Outline and Installation Dimensions

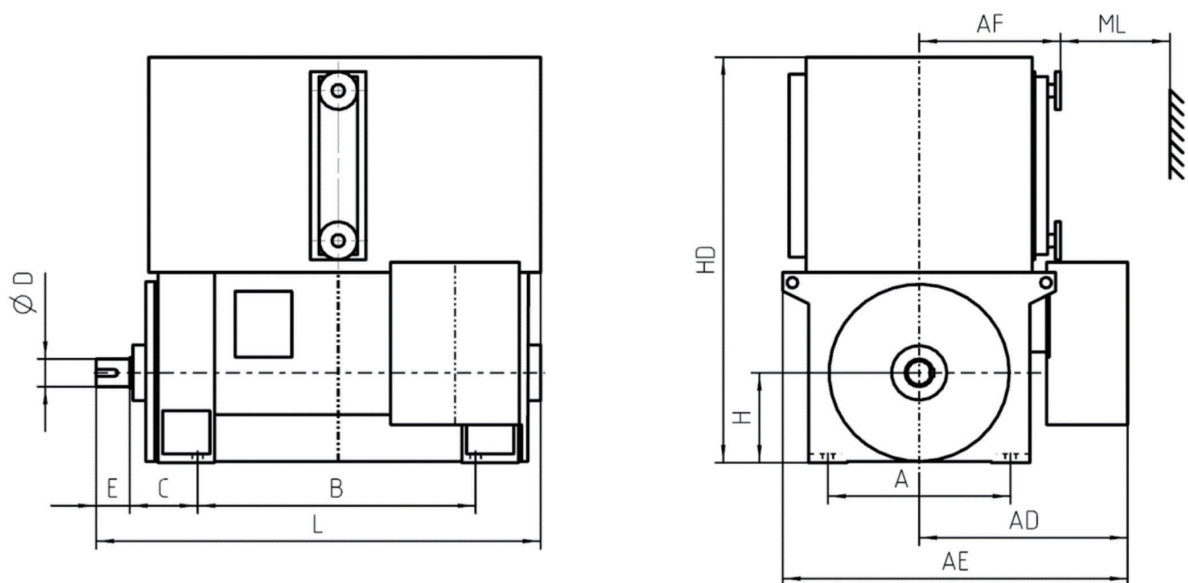


2 极 6 kV 50 Hz IC81W

| 订货号<br>Order No.    | Total weight<br>电机总重 | Dimensions<br>尺寸 |      |      |      |     |     |     |     |      |      |      | Dyn. Foundation Loading<br>基础动态负荷 |                        |
|---------------------|----------------------|------------------|------|------|------|-----|-----|-----|-----|------|------|------|-----------------------------------|------------------------|
|                     |                      | A                | AD   | AE   | B    | C   | D   | H   | E   | HD   | L    | ML   | tension up<br>向上                  | compression down<br>向下 |
|                     | kg                   | mm               |      |      |      |     |     |     |     |      |      |      | kN                                |                        |
| 1QL1 508-2NA60-0HJ2 | 5900                 | 950              | 1185 | 1990 | 1500 | 530 | 120 | 500 | 165 | 1730 | 2720 | 1750 | -49.8                             | 107.6                  |
| 1QL1 562-2NA60-0HJ2 | 6550                 | 1060             | 1260 | 2140 | 1400 | 600 | 150 | 560 | 200 | 1900 | 2810 | 1900 | -38.7                             | 102.9                  |
| 1QL1 563-2NA60-0CJ2 | 6850                 | 1060             | 1260 | 2140 | 1400 | 600 | 150 | 560 | 200 | 1900 | 2810 | 1900 | -44.0                             | 111.2                  |
| 1QL1 564-2NA60-0CJ2 | 7050                 | 1060             | 1260 | 2140 | 1400 | 600 | 150 | 560 | 200 | 1900 | 2810 | 1900 | -56.6                             | 125.8                  |
| 1QL1 567-2NA60-0CJ2 | 7850                 | 1060             | 1260 | 2140 | 1600 | 600 | 150 | 560 | 200 | 1900 | 3040 | 1900 | -63.1                             | 140.1                  |
| 1QL1 568-2NA60-0HJ2 | 8450                 | 1060             | 1260 | 2140 | 1600 | 600 | 150 | 560 | 200 | 1900 | 3040 | 1900 | -84.7                             | 167.6                  |

# 外形及安装尺寸图

## Outline and Installation Dimensions

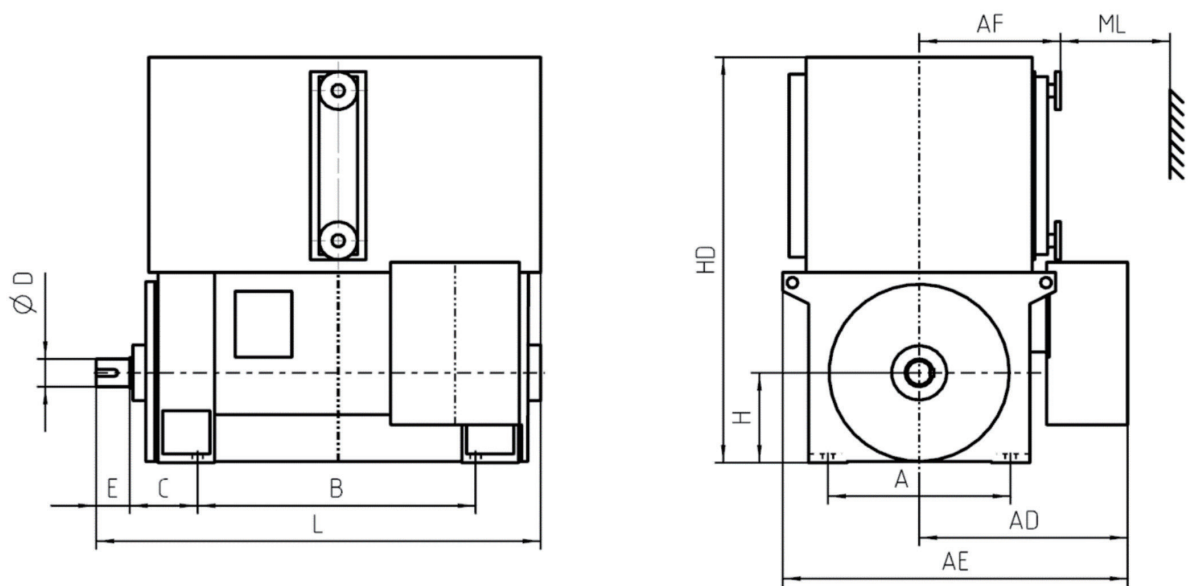


4 极 6 kV 50 Hz IC81W

| 订货号<br>Order No.    | Total weight<br>电机总重 | Dimensions<br>尺寸 |      |      |      |     |     |     |     |      |      |      | Dyn. Foundation Loading<br>基础动态负荷 |                        |
|---------------------|----------------------|------------------|------|------|------|-----|-----|-----|-----|------|------|------|-----------------------------------|------------------------|
|                     |                      | A                | AD   | AE   | B    | C   | D   | H   | E   | HD   | L    | ML   | tension up<br>向上                  | compression down<br>向下 |
|                     | kg                   | mm               |      |      |      |     |     |     |     |      |      |      | kN                                |                        |
| 1QL1 350-4NA60-0AG2 | 2300                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1570 | 1765 | 1250 | -26.2                             | 48.8                   |
| 1QL1 352-4NA60-0AG2 | 2350                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1570 | 1765 | 1250 | -30.8                             | 53.9                   |
| 1QL1 354-4NA60-0AG2 | 2450                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1570 | 1765 | 1250 | -35.2                             | 59.2                   |
| 1QL1 356-4NA60-0AG2 | 2550                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1570 | 1765 | 1250 | -40.6                             | 65.6                   |
| 1QL1 358-4NA60-0AG2 | 2650                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1570 | 1765 | 1250 | -48.5                             | 74.4                   |
| 1QL1 400-4NA60-0AG2 | 3000                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1585 | 1920 | 1350 | -41.4                             | 70.8                   |
| 1QL1 402-4NA60-0AG2 | 3100                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1585 | 1920 | 1350 | -43.2                             | 73.6                   |
| 1QL1 404-4NA60-0AG2 | 3250                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1585 | 1920 | 1350 | -51.0                             | 82.8                   |
| 1QL1 406-4NA60-0AG2 | 3400                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1585 | 1920 | 1350 | -63.5                             | 96.8                   |
| 1QL1 454-4NA60-0JG2 | 3950                 | 850              | 1114 | 1848 | 1180 | 250 | 130 | 450 | 200 | 1790 | 1920 | 1600 | -64.4                             | 103.1                  |
| 1QL1 457-4NA60-0JG2 | 4500                 | 850              | 1114 | 1848 | 1400 | 250 | 130 | 450 | 200 | 1790 | 2130 | 1600 | -82                               | 126.1                  |
| 1QL1 458-4NA60-0JG2 | 4700                 | 850              | 1114 | 1848 | 1400 | 250 | 130 | 450 | 200 | 1790 | 2130 | 1600 | -95.2                             | 141.3                  |
| 1QL1 503-4NA60-0JG2 | 5100                 | 950              | 1185 | 1990 | 1320 | 315 | 160 | 500 | 240 | 1730 | 2180 | 1750 | -77.3                             | 127.3                  |
| 1QL1 504-4NA60-0JG2 | 5350                 | 950              | 1185 | 1990 | 1320 | 315 | 160 | 500 | 240 | 1730 | 2180 | 1750 | -90.9                             | 143.4                  |
| 1QL1 507-4NA60-0JG2 | 5950                 | 950              | 1185 | 1990 | 1500 | 315 | 160 | 500 | 240 | 1730 | 2390 | 1750 | -98.5                             | 156.8                  |
| 1QL1 508-4NA60-0JG2 | 6250                 | 950              | 1185 | 1990 | 1500 | 315 | 160 | 500 | 240 | 1730 | 2390 | 1750 | -107.4                            | 168.7                  |
| 1QL1 562-4NA60-0CG2 | 6650                 | 1060             | 1260 | 2140 | 1400 | 335 | 190 | 560 | 280 | 1900 | 2390 | 1900 | -98.6                             | 163.9                  |
| 1QL1 563-4NA60-0CG2 | 6900                 | 1060             | 1260 | 2140 | 1400 | 335 | 190 | 560 | 280 | 1900 | 2390 | 1900 | -109.9                            | 177.6                  |
| 1QL1 564-4NA60-0HG2 | 7350                 | 1060             | 1260 | 2140 | 1400 | 335 | 190 | 560 | 280 | 1900 | 2390 | 1900 | -134.5                            | 206.6                  |
| 1QL1 566-4NA60-0HG2 | 8100                 | 1060             | 1260 | 2140 | 1600 | 335 | 190 | 560 | 280 | 1900 | 2620 | 1900 | -160.5                            | 240                    |
| 1QL1 567-4NA60-0HG2 | 8650                 | 1060             | 1260 | 2140 | 1600 | 335 | 190 | 560 | 280 | 1900 | 2620 | 1900 | -169.6                            | 254.5                  |
| 1QL1 568-4NA60-0CG2 | 9050                 | 1060             | 1260 | 2140 | 1600 | 335 | 190 | 560 | 280 | 1900 | 2620 | 1900 | -216.9                            | 305.6                  |

# 外形及安装尺寸图

## Outline and Installation Dimensions



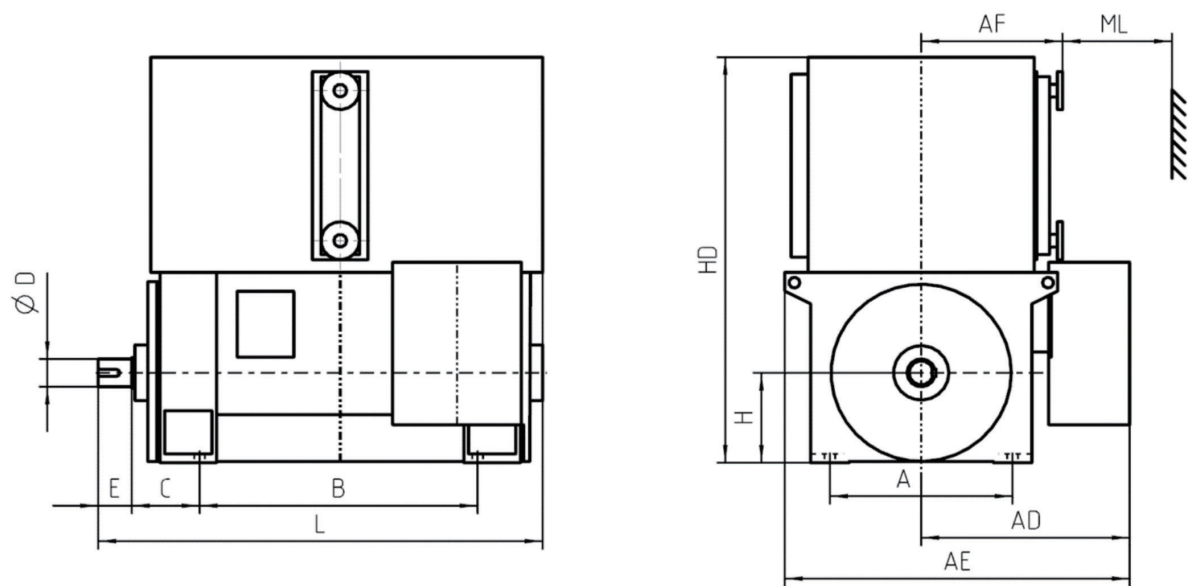
6 极 6 kV 50 Hz IC81W

| 订货号<br>Order No.    | Total weight<br>电机总重 | Dimensions<br>尺寸 |      |      |      |     |     |     |     |      |      |      | Dyn. Foundation Loading<br>基础动态负荷 |                        |
|---------------------|----------------------|------------------|------|------|------|-----|-----|-----|-----|------|------|------|-----------------------------------|------------------------|
|                     |                      | A                | AD   | AE   | B    | C   | D   | H   | E   | HD   | L    | ML   | tension up<br>向上                  | compression down<br>向下 |
|                     | kg                   | mm               |      |      |      |     |     |     |     |      |      |      | kN                                |                        |
| 1QL1 350-6NA60-0AG2 | 2500                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1570 | 1765 | 1250 | -31.7                             | 56.2                   |
| 1QL1 352-6NA60-0AG2 | 2600                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1570 | 1765 | 1250 | -31.7                             | 57.2                   |
| 1QL1 354-6NA60-0AG2 | 2600                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1570 | 1765 | 1250 | -38.0                             | 63.5                   |
| 1QL1 356-6NA60-0AG2 | 2750                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1570 | 1765 | 1250 | -45.9                             | 72.9                   |
| 1QL1 400-6NA60-0AG2 | 3100                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1585 | 1920 | 1350 | -38.7                             | 69.1                   |
| 1QL1 402-6NA60-0AG2 | 3250                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1585 | 1920 | 1350 | -43.3                             | 75.1                   |
| 1QL1 404-6NA60-0AG2 | 3450                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1585 | 1920 | 1350 | -72.3                             | 106.1                  |
| 1QL1 406-6NA60-0AG2 | 3600                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1585 | 1920 | 1350 | -61.4                             | 96.8                   |
| 1QL1 453-6NA60-0JG2 | 3750                 | 850              | 1114 | 1848 | 1180 | 250 | 130 | 450 | 200 | 1790 | 1920 | 1600 | -68.1                             | 104.9                  |
| 1QL1 454-6NA60-0JG2 | 3950                 | 850              | 1114 | 1848 | 1180 | 250 | 130 | 450 | 200 | 1790 | 1920 | 1600 | -83.6                             | 122.3                  |
| 1QL1 457-6NA60-0JG2 | 4400                 | 850              | 1114 | 1848 | 1400 | 250 | 130 | 450 | 200 | 1790 | 2130 | 1600 | -87.7                             | 130.9                  |
| 1QL1 458-6NA60-0JG2 | 4650                 | 850              | 1114 | 1848 | 1400 | 250 | 130 | 450 | 200 | 1790 | 2130 | 1600 | -103.1                            | 148.7                  |
| 1QL1 502-6NA60-0AG2 | 5100                 | 950              | 1185 | 1990 | 1320 | 315 | 160 | 500 | 240 | 2120 | 2180 | 1750 | -95.9                             | 145.9                  |
| 1QL1 503-6NA60-0AG2 | 5350                 | 950              | 1185 | 1990 | 1320 | 315 | 160 | 500 | 240 | 2120 | 2180 | 1750 | -106.2                            | 158.6                  |
| 1QL1 504-6NA60-0JG2 | 5550                 | 950              | 1185 | 1990 | 1320 | 315 | 160 | 500 | 240 | 2120 | 2180 | 1750 | -124.8                            | 179.3                  |
| 1QL1 507-6NA60-0JG2 | 6200                 | 950              | 1185 | 1990 | 1500 | 315 | 160 | 500 | 240 | 2120 | 2390 | 1750 | -143.5                            | 204.3                  |
| 1QL1 562-6NA60-0HG2 | 7300                 | 1060             | 1260 | 2140 | 1400 | 335 | 190 | 560 | 280 | 2450 | 2390 | 1900 | -129.6                            | 201.2                  |
| 1QL1 563-6NA60-0HG2 | 7650                 | 1060             | 1260 | 2140 | 1400 | 335 | 190 | 560 | 280 | 2450 | 2390 | 1900 | -147.2                            | 222.2                  |
| 1QL1 564-6NA60-0HG2 | 8000                 | 1060             | 1260 | 2140 | 1400 | 335 | 190 | 560 | 280 | 2450 | 2390 | 1900 | -167.6                            | 246.1                  |
| 1QL1 567-6NA60-0HG2 | 8750                 | 1060             | 1260 | 2140 | 1600 | 335 | 190 | 560 | 280 | 2450 | 2620 | 1900 | -193.3                            | 279.1                  |
| 1QL1 568-6NA60-0HG2 | 9400                 | 1060             | 1260 | 2140 | 1600 | 335 | 190 | 560 | 280 | 2450 | 2620 | 1900 | -223.2                            | 315.4                  |



# 外形及安装尺寸图

## Outline and Installation Dimensions



8 极 6 kV 50 Hz IC81W

| 订货号<br>Order No.    | Total weight<br>电机总重 | Dimensions<br>尺寸 |      |      |      |     |     |     |     |      |      |      | Dyn. Foundation Loading<br>基础动态负荷 |                        |
|---------------------|----------------------|------------------|------|------|------|-----|-----|-----|-----|------|------|------|-----------------------------------|------------------------|
|                     |                      | A                | AD   | AE   | B    | C   | D   | H   | E   | HD   | L    | ML   | tension up<br>向上                  | compression down<br>向下 |
|                     | kg                   | mm               |      |      |      |     |     |     |     |      |      |      | kN                                |                        |
| 1QL1 350-8NA60-0AG2 | 2450                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1570 | 1765 | 1250 | -21.1                             | 45.2                   |
| 1QL1 352-8NA60-0AG2 | 2550                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1570 | 1765 | 1250 | -24.6                             | 49.6                   |
| 1QL1 354-8NA60-0AG2 | 2550                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1570 | 1765 | 1250 | -30.8                             | 55.8                   |
| 1QL1 356-8NA60-0AG2 | 2650                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1570 | 1765 | 1250 | -35.8                             | 61.8                   |
| 1QL1 400-8NA60-0JG2 | 3000                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1585 | 1920 | 1350 | -36.8                             | 66.2                   |
| 1QL1 400-8NA60-0AG2 | 3000                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1585 | 1920 | 1350 | -36.1                             | 65.5                   |
| 1QL1 402-8NA60-0AG2 | 3100                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1585 | 1920 | 1350 | -41.4                             | 71.9                   |
| 1QL1 404-8NA60-0AG2 | 3250                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1585 | 1920 | 1350 | -46.2                             | 78.0                   |
| 1QL1 406-8NA60-0AG2 | 3500                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1585 | 1920 | 1350 | -52.7                             | 87.0                   |
| 1QL1 452-8NA60-0JG2 | 3750                 | 850              | 1114 | 1848 | 1180 | 250 | 130 | 450 | 200 | 1790 | 1920 | 1600 | -43                               | 79.7                   |
| 1QL1 453-8NA60-0JG2 | 3950                 | 850              | 1114 | 1848 | 1180 | 250 | 130 | 450 | 200 | 1790 | 1920 | 1600 | -51                               | 89.8                   |
| 1QL1 454-8NA60-0AG2 | 4200                 | 850              | 1114 | 1848 | 1180 | 250 | 130 | 450 | 200 | 1790 | 1920 | 1600 | -86.3                             | 127.5                  |
| 1QL1 457-8NA60-0JG2 | 4650                 | 850              | 1114 | 1848 | 1400 | 250 | 130 | 450 | 200 | 1790 | 2130 | 1600 | -71.8                             | 117.4                  |
| 1QL1 458-8NA60-0JG2 | 4900                 | 850              | 1114 | 1848 | 1400 | 250 | 130 | 450 | 200 | 1790 | 2130 | 1600 | -77                               | 125.1                  |
| 1QL1 502-8NA60-0AG2 | 5050                 | 950              | 1185 | 1990 | 1320 | 315 | 160 | 500 | 240 | 2120 | 2180 | 1750 | -100.3                            | 149.8                  |
| 1QL1 503-8NA60-0AG2 | 5300                 | 950              | 1185 | 1990 | 1320 | 315 | 160 | 500 | 240 | 2120 | 2180 | 1750 | -106                              | 158                    |
| 1QL1 507-8NA60-0JG2 | 6200                 | 950              | 1185 | 1990 | 1500 | 315 | 160 | 500 | 240 | 2120 | 2390 | 1750 | -124.5                            | 185.3                  |
| 1QL1 508-8NA60-0AG2 | 6550                 | 950              | 1185 | 1990 | 1500 | 315 | 160 | 500 | 240 | 2120 | 2390 | 1750 | -131                              | 195.2                  |
| 1QL1 563-8NA60-0HG2 | 7500                 | 1060             | 1260 | 2140 | 1400 | 335 | 190 | 560 | 280 | 2450 | 2390 | 1900 | -121.9                            | 195.5                  |
| 1QL1 564-8NA60-0HG2 | 7900                 | 1060             | 1260 | 2140 | 1400 | 335 | 190 | 560 | 280 | 2450 | 2390 | 1900 | -143.7                            | 221.2                  |
| 1QL1 567-8NA60-0HG2 | 8750                 | 1060             | 1260 | 2140 | 1600 | 335 | 190 | 560 | 280 | 2450 | 2620 | 1900 | -173.8                            | 259.6                  |
| 1QL1 568-8NA60-0HG2 | 9300                 | 1060             | 1260 | 2140 | 1600 | 335 | 190 | 560 | 280 | 2450 | 2620 | 1900 | -197.4                            | 288.6                  |

# 选型技术数据表 Technical Data

## 2 极 10 kV 50 Hz IC81W

| 订货号<br>Order No.    | 额定功率<br>Rated power<br>$P_N$ | 额定转速<br>Rated speed<br>$n_N$ | 额定电流<br>Rated current<br>$I_N$ | 效率<br>Efficiency | 功率因数<br>Power factor | 额定转矩<br>Rated torque<br>$T_N$ | 颠覆转矩<br>Breakdown torque<br>$T_{max} / T_N$ | 堵转转矩<br>Locked-rotor torque<br>$T_{st} / T_N$ | 堵转电流<br>Locked-rotor current<br>$I_{st} / I_N$ | 冷却水流量<br>Cooling water flow | 转动惯量<br>Moment of Inertia |                                           |
|---------------------|------------------------------|------------------------------|--------------------------------|------------------|----------------------|-------------------------------|---------------------------------------------|-----------------------------------------------|------------------------------------------------|-----------------------------|---------------------------|-------------------------------------------|
|                     |                              |                              |                                |                  |                      |                               |                                             |                                               |                                                |                             | 转子<br>Rotor               | 最大外拖 <sup>1)</sup><br>External max. perm. |
|                     | kW                           | r/min                        | A                              | %                |                      | Nm                            |                                             |                                               |                                                | l/min                       | kg m <sup>2</sup>         | kg m <sup>2</sup>                         |
| 1QL1 350-2NA80-0AG2 | 500                          | 2966                         | 35                             | 94.9             | 0.88                 | 1610                          | 2.3                                         | 0.6                                           | 5.2                                            | 100                         | 3                         | 35                                        |
| 1QL1 352-2NA80-0AG2 | 560                          | 2967                         | 39                             | 95               | 0.88                 | 1802                          | 2.4                                         | 0.65                                          | 5.4                                            | 100                         | 3.5                       | 45                                        |
| 1QL1 354-2NA80-0AG2 | 630                          | 2967                         | 43                             | 95.1             | 0.89                 | 2028                          | 2.5                                         | 0.7                                           | 5.7                                            | 100                         | 3.5                       | 45                                        |
| 1QL1 356-2NA80-0AG2 | 710                          | 2968                         | 49                             | 95.2             | 0.88                 | 2284                          | 2.7                                         | 0.75                                          | 6                                              | 100                         | 4                         | 40                                        |
| 1QL1 400-2NA80-0AG2 | 800                          | 2974                         | 55                             | 95.3             | 0.88                 | 2569                          | 2.35                                        | 0.6                                           | 5.5                                            | 155                         | 6                         | 55                                        |
| 1QL1 402-2NA80-0AG2 | 900                          | 2972                         | 61                             | 95.5             | 0.89                 | 2892                          | 2.3                                         | 0.6                                           | 5.4                                            | 155                         | 6.5                       | 65                                        |
| 1QL1 404-2NA80-0AG2 | 1000                         | 2973                         | 68                             | 95.6             | 0.89                 | 3212                          | 2.3                                         | 0.6                                           | 5.4                                            | 155                         | 7                         | 65                                        |
| 1QL1 406-2NA80-0AG2 | 1120                         | 2971                         | 76                             | 95.7             | 0.89                 | 3600                          | 2.25                                        | 0.6                                           | 5.3                                            | 155                         | 7.5                       | 60                                        |
| 1QL1 408-2NA80-0AG2 | 1250                         | 2975                         | 85                             | 95.9             | 0.89                 | 4012                          | 2.65                                        | 0.75                                          | 6.2                                            | 155                         | 8                         | 65                                        |
| 1QL1 453-2NA80-0JG2 | 1400                         | 2978                         | 95                             | 96               | 0.89                 | 4493                          | 2.35                                        | 0.55                                          | 5.4                                            | 170                         | 9.9                       | 65                                        |
| 1QL1 454-2NA80-0JG2 | 1600                         | 2978                         | 108                            | 96.1             | 0.89                 | 5131                          | 2.35                                        | 0.55                                          | 5.5                                            | 170                         | 10.6                      | 70                                        |
| 1QL1 457-2NA80-0JG2 | 1800                         | 2978                         | 120                            | 96.3             | 0.9                  | 5777                          | 2.35                                        | 0.55                                          | 5.5                                            | 170                         | 11.5                      | 75                                        |
| 1QL1 458-2NA80-0JG2 | 2000                         | 2979                         | 134                            | 96.4             | 0.9                  | 6416                          | 2.4                                         | 0.55                                          | 5.5                                            | 170                         | 12.7                      | 80                                        |
| 1QL1 504-2NA80-0JG2 | 2240                         | 2973                         | 148                            | 96.5             | 0.9                  | 7197                          | 2.5                                         | 0.6                                           | 5                                              | 240                         | 15.2                      | 84                                        |
| 1QL1 507-2NA80-0JG2 | 2500                         | 2976                         | 164                            | 96.7             | 0.91                 | 8024                          | 2.7                                         | 0.55                                          | 5.5                                            | 240                         | 17.6                      | 94                                        |
| 1QL1 508-2NA80-0JG2 | 2800                         | 2977                         | 184                            | 96.9             | 0.91                 | 8983                          | 2.8                                         | 0.55                                          | 5.8                                            | 240                         | 19.8                      | 98                                        |
| 1QL1 508-2NA80-0CG2 | 3150                         | 2978                         | 205                            | 96.9             | 0.91                 | 10108                         | 2.4                                         | 0.55                                          | 4.9                                            | 240                         | 26.6                      | 168                                       |
| 1QL1 562-2NA80-0HJ2 | 3550                         | 2983                         | 235                            | 96.7             | 0.9                  | 11370                         | 2.45                                        | 0.65                                          | 5.6                                            | 320                         | 41.2                      | 245                                       |
| 1QL1 563-2NA80-0HJ2 | 4000                         | 2981                         | 265                            | 96.8             | 0.9                  | 12817                         | 2.1                                         | 0.55                                          | 4.8                                            | 320                         | 44                        | 270                                       |
| 1QL1 564-2NA80-0HJ2 | 4500                         | 2983                         | 295                            | 96.8             | 0.91                 | 14413                         | 2.45                                        | 0.65                                          | 5.6                                            | 320                         | 47                        | 290                                       |
| 1QL1 567-2NA80-0HJ2 | 5000                         | 2983                         | 325                            | 97               | 0.91                 | 16019                         | 2.35                                        | 0.6                                           | 5.4                                            | 320                         | 51.8                      | 300                                       |
| 1QL1 568-2NA80-0HJ2 | 5600                         | 2984                         | 360                            | 97.2             | 0.92                 | 17929                         | 2.55                                        | 0.6                                           | 5.9                                            | 320                         | 57.8                      | 320                                       |

- <sup>1)</sup> 直接起动时的最大外部转动惯量是基于以下条件：

  - 三次冷起/两次热起（中心高450、500为两次冷起/一次热起）
  - 起动电压不小于 0.9 倍额定电压  $U_N$
  - 负载转矩与转速成平方关系
  - 额定速度时负载阻转矩不应超过额定转矩  $T_N$  的 60%
- <sup>1)</sup> The maximum external moment of inertia for direct online starting is based on the following conditions:

  - Three starts from cold or two starts from warm (SH450,500 is two starts from cold or one starts from warm)
  - The starting voltage is not less than 0.9 x rated voltage  $U_N$
  - The load torque increases approximately according to a square- law with the speed
  - The load torque at rated speed should not exceed 60 %

上述电气参数为典型值，具体保证值可根据需求提供。

The electrical parameters listed above are typical values. The guaranteed values can be provided on request.

# 选型技术数据表 Technical Data

## 4 极 10 kV 50 Hz IC81W

| 订货号<br>Order No.    | 额定<br>功率<br>Rated power<br>$P_N$ | 额定<br>转速<br>Rated speed<br>$n_N$ | 额定<br>电流<br>Rated current<br>$I_N$ | 效率<br>Efficiency | 功率<br>因数<br>Power factor | 额定<br>转矩<br>Rated torque<br>$T_N$ | 颠覆转矩<br>Breakdown torque<br>$T_{max} / T_N$ | 堵转转矩<br>Locked-rotor torque<br>$T_{st} / T_N$ | 堵转电流<br>Locked-rotor current<br>$I_{st} / I_N$ | 冷却<br>水流量<br>Cooling water flow | 转动惯量<br>Moment of Inertia |                                           |
|---------------------|----------------------------------|----------------------------------|------------------------------------|------------------|--------------------------|-----------------------------------|---------------------------------------------|-----------------------------------------------|------------------------------------------------|---------------------------------|---------------------------|-------------------------------------------|
|                     |                                  |                                  |                                    |                  |                          |                                   |                                             |                                               |                                                |                                 | 转子<br>Rotor               | 最大外拖 <sup>1)</sup><br>External max. perm. |
|                     | kW                               | r/min                            | A                                  | %                |                          | Nm                                |                                             |                                               |                                                | l/min                           | kg m <sup>2</sup>         | kg m <sup>2</sup>                         |
| IQL1 350-4NA80-0AG2 | 500                              | 1486                             | 38                                 | 94.7             | 0.81                     | 3213                              | 2.75                                        | 0.9                                           | 5.7                                            | 100                             | 5.4                       | 175                                       |
| IQL1 352-4NA80-0AG2 | 560                              | 1485                             | 42                                 | 94.8             | 0.82                     | 3601                              | 2.75                                        | 0.95                                          | 5.8                                            | 100                             | 6                         | 115                                       |
| IQL1 354-4NA80-0AG2 | 630                              | 1486                             | 48                                 | 95               | 0.8                      | 4048                              | 2.8                                         | 1                                             | 5.9                                            | 100                             | 6.5                       | 135                                       |
| IQL1 356-4NA80-0AG2 | 710                              | 1485                             | 52                                 | 95.4             | 0.82                     | 4566                              | 2.85                                        | 1.05                                          | 6.1                                            | 100                             | 7.2                       | 130                                       |
| IQL1 358-4NA80-0AG2 | 800                              | 1485                             | 58                                 | 95.5             | 0.83                     | 5144                              | 2.7                                         | 1.05                                          | 6.2                                            | 100                             | 7.9                       | 150                                       |
| IQL1 400-4NA80-0AG2 | 900                              | 1485                             | 64                                 | 95.6             | 0.85                     | 5787                              | 2.3                                         | 0.75                                          | 5.3                                            | 155                             | 11.3                      | 325                                       |
| IQL1 402-4NA80-0AG2 | 1000                             | 1485                             | 72                                 | 95.7             | 0.84                     | 6431                              | 2.3                                         | 0.75                                          | 5.3                                            | 155                             | 12.1                      | 330                                       |
| IQL1 404-4NA80-0AG2 | 1120                             | 1485                             | 79                                 | 95.8             | 0.85                     | 7202                              | 2.3                                         | 0.85                                          | 5.4                                            | 155                             | 13.5                      | 240                                       |
| IQL1 406-4NA80-0AG2 | 1250                             | 1485                             | 87                                 | 96               | 0.86                     | 8038                              | 2.3                                         | 0.85                                          | 5.4                                            | 155                             | 14.8                      | 335                                       |
| IQL1 454-4NA80-0JG2 | 1400                             | 1485                             | 95                                 | 96.1             | 0.89                     | 9006                              | 2.65                                        | 0.75                                          | 6                                              | 170                             | 18.6                      | 405                                       |
| IQL1 457-4NA80-0JG2 | 1600                             | 1486                             | 108                                | 96.3             | 0.89                     | 10285                             | 2.8                                         | 0.8                                           | 6.5                                            | 170                             | 22.2                      | 500                                       |
| IQL1 458-4NA80-0JG2 | 1800                             | 1487                             | 122                                | 96.4             | 0.89                     | 11565                             | 3                                           | 0.9                                           | 6.5                                            | 170                             | 24.3                      | 540                                       |
| IQL1 503-4NA80-0JG2 | 2000                             | 1487                             | 132                                | 96.6             | 0.9                      | 12852                             | 2.45                                        | 0.85                                          | 5.6                                            | 240                             | 37                        | 625                                       |
| IQL1 504-4NA80-0JG2 | 2240                             | 1486                             | 148                                | 96.7             | 0.9                      | 14404                             | 2.4                                         | 0.85                                          | 5.5                                            | 240                             | 40.5                      | 675                                       |
| IQL1 507-4NA80-0JG2 | 2500                             | 1486                             | 164                                | 96.7             | 0.91                     | 16068                             | 2.4                                         | 0.9                                           | 5.4                                            | 240                             | 45.5                      | 755                                       |
| IQL1 508-4NA80-0JG2 | 2800                             | 1486                             | 186                                | 96.8             | 0.9                      | 18005                             | 2.45                                        | 0.9                                           | 5.6                                            | 240                             | 50.5                      | 815                                       |
| IQL1 508-4NA80-0CG2 | 3150                             | 1490                             | 210                                | 97               | 0.9                      | 20200                             | 2.6                                         | 0.7                                           | 5.5                                            | 240                             | 62.5                      | 905                                       |
| IQL1 563-4NA80-0CG2 | 3550                             | 1490                             | 238                                | 96.9             | 0.89                     | 22752                             | 2.05                                        | 0.6                                           | 5                                              | 320                             | 164.9                     | 725                                       |
| IQL1 564-4NA80-0HG2 | 4000                             | 1492                             | 267                                | 97.1             | 0.89                     | 25601                             | 2.25                                        | 0.6                                           | 5.5                                            | 320                             | 185                       | 835                                       |
| IQL1 566-4NA80-0HG2 | 4500                             | 1492                             | 300                                | 97.2             | 0.89                     | 28801                             | 2.3                                         | 0.65                                          | 5.6                                            | 320                             | 204.2                     | 885                                       |
| IQL1 567-4NA80-0HG2 | 5000                             | 1492                             | 330                                | 97.3             | 0.9                      | 32002                             | 2.3                                         | 0.7                                           | 5.6                                            | 320                             | 224.9                     | 935                                       |
| IQL1 568-4NA80-0CG2 | 5600                             | 1492                             | 369                                | 97.4             | 0.9                      | 35842                             | 2.45                                        | 0.75                                          | 6                                              | 320                             | 243.9                     | 940                                       |

<sup>1)</sup> 直接起动时的最大外部转动惯量是基于以下条件：

- 三次冷起/两次热起
- 起动电压不小于 0.9 倍额定电压  $U_N$
- 负载转矩与转速成平方关系
- 一额定速度时负载阻转矩不应超过额定转矩  $T_N$  的 90%

上述电气参数为典型值，具体保证值可根据需求提供

<sup>1)</sup> The maximum external moment of inertia for direct online starting is based on the following conditions:

- Three starts from cold or two starts from warm
- The starting voltage is not less than 0.9 x rated voltage  $U_N$
- The load torque increases approximately according to a square- law with the speed
- The load torque at rated speed should not exceed 90% rated torque  $T_N$

The electrical parameters listed above are typical values. The guaranteed values can be provided on request

# 选型技术数据表 Technical Data

## 6 极 10 kV 50 Hz IC81W

| 订货号<br>Order No.    | 额定<br>功率<br>Rated power<br>$P_N$ | 额定<br>转速<br>Rated speed<br>$n_N$ | 额定<br>电流<br>Rated current<br>$I_N$ | 效率<br>Efficiency | 功率<br>因数<br>Power factor | 额定<br>转矩<br>Rated torque<br>$T_N$ | 颠覆转矩<br>Breakdown torque<br>$T_{max} / T_N$ | 堵转转矩<br>Locked-rotor torque<br>$T_{st} / T_N$ | 堵转电流<br>Locked-rotor current<br>$I_{st} / I_N$ | 冷却<br>水流量<br>Cooling water flow | 转动惯量<br>Moment of Inertia |                                           |
|---------------------|----------------------------------|----------------------------------|------------------------------------|------------------|--------------------------|-----------------------------------|---------------------------------------------|-----------------------------------------------|------------------------------------------------|---------------------------------|---------------------------|-------------------------------------------|
|                     |                                  |                                  |                                    |                  |                          |                                   |                                             |                                               |                                                |                                 | 转子<br>Rotor               | 最大外拖 <sup>1)</sup><br>External max. perm. |
|                     | kW                               | r/min                            | A                                  | %                |                          | Nm                                |                                             |                                               |                                                | l/min                           | kg m <sup>2</sup>         | kg m <sup>2</sup>                         |
| 1QL1 350-6NA80-0AG2 | 355                              | 985                              | 26                                 | 94.3             | 0.84                     | 3442                              | 2.15                                        | 0.95                                          | 5.3                                            | 100                             | 7                         | 280                                       |
| 1QL1 352-6NA80-0AG2 | 400                              | 985                              | 29                                 | 94.4             | 0.84                     | 3878                              | 2.2                                         | 0.95                                          | 5.4                                            | 100                             | 8                         | 290                                       |
| 1QL1 354-6NA80-0AG2 | 450                              | 985                              | 33                                 | 94.6             | 0.84                     | 4363                              | 2.25                                        | 1.05                                          | 5.5                                            | 100                             | 8                         | 320                                       |
| 1QL1 356-6NA80-0AG2 | 500                              | 986                              | 37                                 | 94.6             | 0.83                     | 4842                              | 2.4                                         | 1.1                                           | 5.5                                            | 100                             | 9                         | 315                                       |
| 1QL1 400-6NA80-0AG2 | 560                              | 989                              | 41                                 | 94.8             | 0.83                     | 5407                              | 2                                           | 0.75                                          | 5.1                                            | 155                             | 13                        | 230                                       |
| 1QL1 402-6NA80-0AG2 | 630                              | 990                              | 46                                 | 95.1             | 0.83                     | 6077                              | 2.25                                        | 0.85                                          | 5.5                                            | 155                             | 14                        | 240                                       |
| 1QL1 404-6NA80-0AG2 | 710                              | 989                              | 51                                 | 95.2             | 0.84                     | 6855                              | 2                                           | 0.8                                           | 5.2                                            | 155                             | 16                        | 315                                       |
| 1QL1 406-6NA80-0AG2 | 800                              | 991                              | 59                                 | 95.4             | 0.82                     | 7709                              | 2.45                                        | 1                                             | 5.5                                            | 155                             | 18                        | 280                                       |
| 1QL1 452-6NA80-0JG2 | 900                              | 991                              | 65                                 | 95.4             | 0.84                     | 8674                              | 2.6                                         | 0.8                                           | 5.7                                            | 240                             | 20.3                      | 675                                       |
| 1QL1 453-6NA80-0JG2 | 1000                             | 991                              | 71                                 | 95.5             | 0.85                     | 9639                              | 2.6                                         | 0.8                                           | 5.7                                            | 240                             | 22.2                      | 760                                       |
| 1QL1 454-6NA80-0JG2 | 1120                             | 991                              | 79                                 | 95.7             | 0.85                     | 10797                             | 2.6                                         | 0.8                                           | 5.7                                            | 240                             | 24.5                      | 840                                       |
| 1QL1 457-6NA80-0JG2 | 1250                             | 991                              | 88                                 | 95.9             | 0.86                     | 12050                             | 2.6                                         | 0.85                                          | 5.8                                            | 240                             | 27.5                      | 880                                       |
| 1QL1 458-6NA80-0JG2 | 1400                             | 991                              | 98                                 | 96.1             | 0.86                     | 13493                             | 2.65                                        | 0.85                                          | 5.8                                            | 240                             | 31.2                      | 950                                       |
| 1QL1 503-6NA80-0JG2 | 1600                             | 992                              | 112                                | 96.3             | 0.86                     | 15402                             | 2.45                                        | 1                                             | 5.3                                            | 320                             | 46.5                      | 1260                                      |
| 1QL1 503-6NA80-0AG2 | 1800                             | 990                              | 126                                | 96.2             | 0.86                     | 17362                             | 2.15                                        | 0.9                                           | 4.7                                            | 320                             | 46.5                      | 840                                       |
| 1QL1 507-6NA80-0JG2 | 2000                             | 992                              | 138                                | 96.6             | 0.86                     | 19253                             | 2.5                                         | 1                                             | 5.5                                            | 320                             | 57.5                      | 1850                                      |
| 1QL1 508-6NA80-0JG2 | 2240                             | 992                              | 156                                | 96.7             | 0.86                     | 21563                             | 2.6                                         | 1                                             | 5.7                                            | 320                             | 63                        | 2090                                      |
| 1QL1 508-6NA80-0CG2 | 2500                             | 993                              | 174                                | 96.7             | 0.86                     | 24042                             | 2.45                                        | 0.8                                           | 5                                              | 320                             | 81                        | 1980                                      |
| 1QL1 562-6NA80-0HG2 | 2800                             | 993                              | 194                                | 96.5             | 0.86                     | 26927                             | 2                                           | 0.6                                           | 5.5                                            | 220                             | 105.3                     | 1870                                      |
| 1QL1 563-6NA80-0HG2 | 3150                             | 993                              | 220                                | 96.6             | 0.86                     | 30292                             | 2                                           | 0.6                                           | 5.5                                            | 220                             | 113.1                     | 1935                                      |
| 1QL1 564-6NA80-0CG2 | 3550                             | 992                              | 245                                | 96.7             | 0.86                     | 34173                             | 2                                           | 0.6                                           | 5.5                                            | 220                             | 123.5                     | 2015                                      |
| 1QL1 568-6NA80-0HG2 | 4000                             | 993                              | 275                                | 97               | 0.87                     | 38466                             | 2                                           | 0.6                                           | 5.5                                            | 220                             | 150.6                     | 3095                                      |

<sup>1)</sup> 直接起动时的最大外部转动惯量是基于以下条件：

- 三次冷起/两次热起
- 起动电压不小于 0.9 倍额定电压  $U_N$
- 负载转矩与转速成平方关系
- 一额定速度时负载阻转矩不应超过额定转矩  $T_N$  的 90%

上述电气参数为典型值，具体保证值可根据需求提供

<sup>1)</sup> The maximum external moment of inertia for direct online starting is based on the following conditions:

- Three starts from cold or two starts from warm
- The starting voltage is not less than 0.9 x rated voltage  $U_N$
- The load torque increases approximately according to a square- law with the speed
- The load torque at rated speed should not exceed 90% rated torque  $T_N$

The electrical parameters listed above are typical values. The guaranteed values can be provided on request

# 选型技术数据表 Technical Data

## 8 极 10 kV 50 Hz IC81W

| 订货号<br>Order No.    | 额定功率<br>Rated power<br>$P_N$ | 额定转速<br>Rated speed<br>$n_N$ | 额定电流<br>Rated current<br>$I_N$ | 效率<br>Efficiency | 功率因数<br>Power factor | 额定转矩<br>Rated torque<br>$T_N$ | 颠覆转矩<br>Breakdown torque<br>$T_{max} / T_N$ | 堵转转矩<br>Locked-rotor torque<br>$T_{st} / T_N$ | 堵转电流<br>Locked-rotor current<br>$I_{st} / I_N$ | 冷却水流量<br>Cooling water flow | 转动惯量<br>Moment of Inertia |                                           |
|---------------------|------------------------------|------------------------------|--------------------------------|------------------|----------------------|-------------------------------|---------------------------------------------|-----------------------------------------------|------------------------------------------------|-----------------------------|---------------------------|-------------------------------------------|
|                     |                              |                              |                                |                  |                      |                               |                                             |                                               |                                                |                             | 转子<br>Rotor               | 最大外拖 <sup>1)</sup><br>External max. perm. |
|                     | kW                           | r/min                        | A                              | %                |                      | Nm                            |                                             |                                               |                                                | l/min                       | kg m <sup>2</sup>         | kg m <sup>2</sup>                         |
| IQL1 400-8NA80-0JG2 | 355                          | 744                          | 28                             | 93.7             | 0.78                 | 4556                          | 2.55                                        | 0.85                                          | 5.3                                            | 155                         | 12                        | 440                                       |
| IQL1 400-8NA80-0AG2 | 400                          | 744                          | 32                             | 93.8             | 0.77                 | 5134                          | 2.6                                         | 0.9                                           | 5.3                                            | 155                         | 12                        | 430                                       |
| IQL1 402-8NA80-0AG2 | 450                          | 744                          | 35                             | 94               | 0.78                 | 5776                          | 2.3                                         | 0.75                                          | 4.9                                            | 155                         | 13.5                      | 520                                       |
| IQL1 404-8NA80-0AG2 | 500                          | 744                          | 38                             | 94.4             | 0.8                  | 6418                          | 2.15                                        | 0.75                                          | 4.6                                            | 155                         | 15                        | 540                                       |
| IQL1 406-8NA80-0AG2 | 560                          | 745                          | 44                             | 94.6             | 0.77                 | 7178                          | 2.7                                         | 0.9                                           | 5.4                                            | 155                         | 17                        | 800                                       |
| IQL1 451-8NA80-0JG2 | 630                          | 742                          | 48.5                           | 94.9             | 0.79                 | 8107                          | 2.2                                         | 0.75                                          | 5.3                                            | 240                         | 22.7                      | 720                                       |
| IQL1 452-8NA80-0JG2 | 710                          | 742                          | 54                             | 95               | 0.8                  | 9145                          | 2.2                                         | 0.75                                          | 5.3                                            | 240                         | 24.8                      | 970                                       |
| IQL1 453-8NA80-0JG2 | 800                          | 742                          | 61                             | 95.2             | 0.79                 | 10290                         | 2.4                                         | 0.8                                           | 5.3                                            | 240                         | 27.8                      | 1240                                      |
| IQL1 454-8NA80-0JG2 | 900                          | 742                          | 68                             | 95.3             | 0.8                  | 11586                         | 2.3                                         | 0.8                                           | 5.3                                            | 240                         | 31.3                      | 1370                                      |
| IQL1 457-8NA80-0JG2 | 1000                         | 742                          | 75                             | 95.5             | 0.81                 | 12877                         | 2.3                                         | 0.8                                           | 5.3                                            | 240                         | 35.2                      | 1400                                      |
| IQL1 458-8NA80-0AG2 | 1120                         | 742                          | 84                             | 95.6             | 0.81                 | 14424                         | 2.3                                         | 0.8                                           | 5.3                                            | 240                         | 39                        | 1440                                      |
| IQL1 502-8NA80-0AG2 | 1250                         | 742                          | 91                             | 95.8             | 0.83                 | 16087                         | 1.9                                         | 0.7                                           | 3.9                                            | 320                         | 46                        | 1310                                      |
| IQL1 504-8NA80-0JG2 | 1400                         | 744                          | 102                            | 96.2             | 0.82                 | 17969                         | 2.3                                         | 0.85                                          | 4.7                                            | 320                         | 56                        | 2870                                      |
| IQL1 507-8NA80-0JG2 | 1600                         | 744                          | 116                            | 96.3             | 0.82                 | 20536                         | 2.35                                        | 0.85                                          | 4.7                                            | 320                         | 63                        | 3470                                      |
| IQL1 508-8NA80-0JG2 | 1800                         | 744                          | 134                            | 96.3             | 0.81                 | 23103                         | 2.5                                         | 0.95                                          | 5                                              | 320                         | 69                        | 3350                                      |
| IQL1 562-8NA80-0HG2 | 2000                         | 744                          | 144                            | 96.1             | 0.83                 | 25670                         | 2.1                                         | 0.55                                          | 4.6                                            | 220                         | 115                       | 3045                                      |
| IQL1 563-8NA80-0HG2 | 2240                         | 744                          | 162                            | 96.2             | 0.83                 | 28751                         | 2.1                                         | 0.6                                           | 4.6                                            | 220                         | 123.6                     | 3165                                      |
| IQL1 564-8NA80-0HG2 | 2500                         | 744                          | 180                            | 96.4             | 0.83                 | 32088                         | 2.1                                         | 0.6                                           | 4.6                                            | 220                         | 136.6                     | 4770                                      |
| IQL1 567-8NA80-0HG2 | 2800                         | 744                          | 200                            | 96.5             | 0.83                 | 35938                         | 2.15                                        | 0.6                                           | 4.7                                            | 220                         | 150.3                     | 5980                                      |
| IQL1 568-8NA80-0CG2 | 3150                         | 744                          | 225                            | 96.6             | 0.83                 | 40430                         | 2.1                                         | 0.6                                           | 4.6                                            | 220                         | 164.6                     | 6250                                      |

- <sup>1)</sup> 直接起动时的最大外部转动惯量是基于以下条件：

  - 三次冷起/两次热起
  - 起动电压不小于 0.9 倍额定电压  $U_N$
  - 负载转矩与转速成平方关系
  - 一额定速度时负载阻转矩不应超过额定转矩  $T_N$  的 90%
- <sup>1)</sup> The maximum external moment of inertia for direct online starting is based on the following conditions:

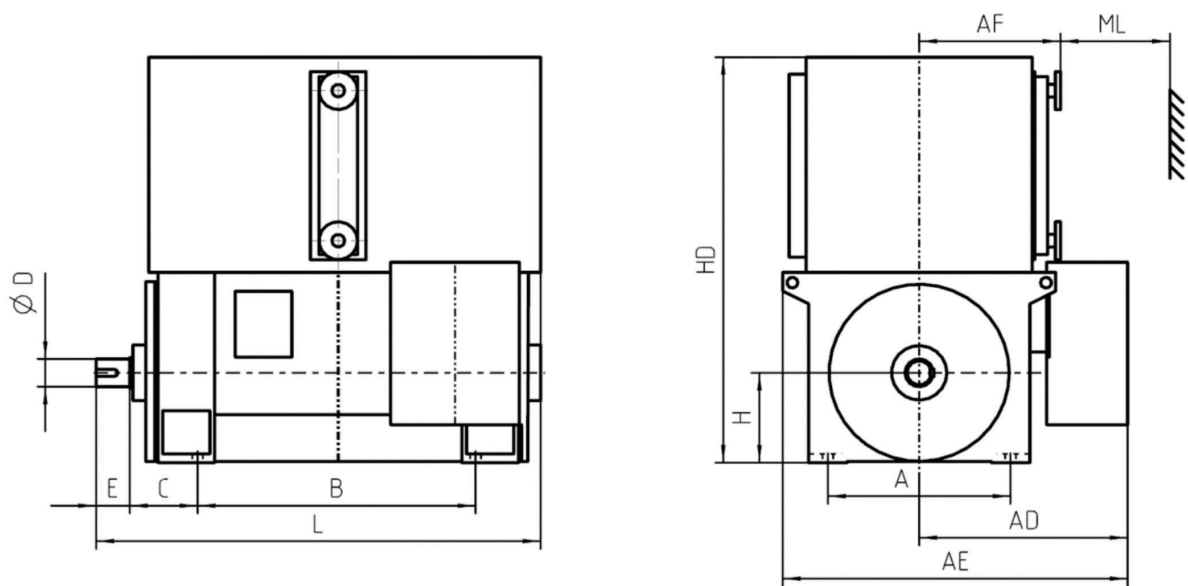
  - Three starts from cold or two starts from warm
  - The starting voltage is not less than 0.9 x rated voltage  $U_N$
  - The load torque increases approximately according to a square- law with the speed
  - The load torque at rated speed should not exceed 90% rated torque  $T_N$

上述电气参数为典型值，具体保证值可根据需求提供

The electrical parameters listed above are typical values. The guaranteed values can be provided on request

# 外形及安装尺寸图

## Outline and Installation Dimensions

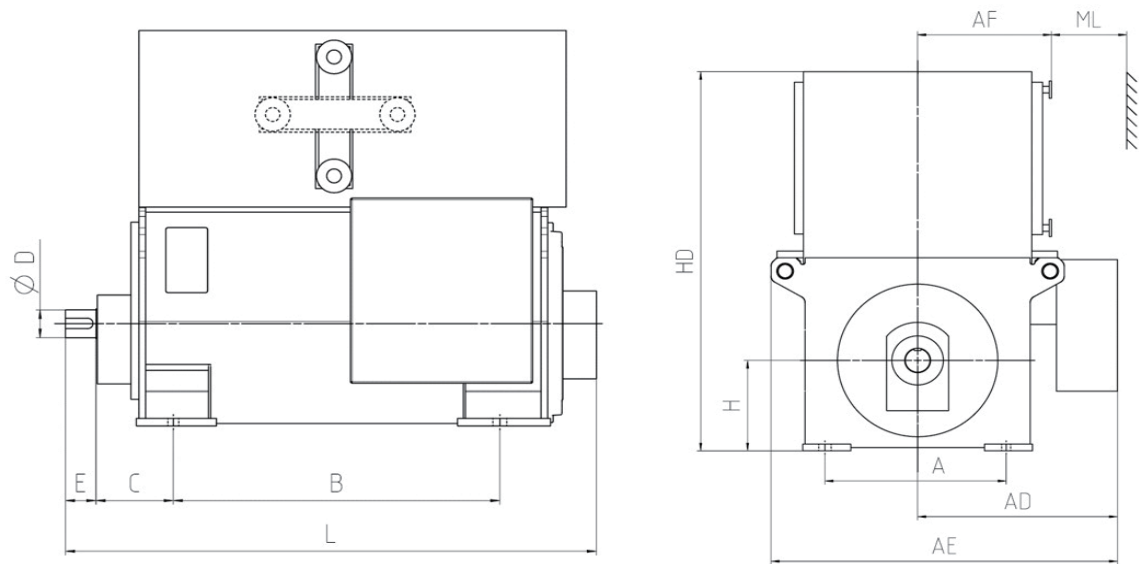


2 极 10 kV 50 Hz IC81W

| 订货号<br>Order No.    | Total weight<br>电机总重 | Dimensions<br>尺寸 |      |      |      |     |     |     |     |      |      |      | Dyn. Foundation Loading<br>基础动态负荷 |                        |
|---------------------|----------------------|------------------|------|------|------|-----|-----|-----|-----|------|------|------|-----------------------------------|------------------------|
|                     |                      | A                | AD   | AE   | B    | C   | D   | H   | E   | HD   | L    | ML   | tension up<br>向上                  | compression down<br>向下 |
|                     | kg                   | mm               |      |      |      |     |     |     |     |      |      |      | kN                                |                        |
| 1QL1 350-2NA80-0AG2 | 2200                 | 710              | 840  | 1415 | 1180 | 224 | 85  | 355 | 130 | 1570 | 1765 | 1250 | -4.0                              | 25.6                   |
| 1QL1 352-2NA80-0AG2 | 2300                 | 710              | 840  | 1415 | 1180 | 224 | 85  | 355 | 130 | 1570 | 1765 | 1250 | -5.9                              | 28.5                   |
| 1QL1 354-2NA80-0AG2 | 2350                 | 710              | 840  | 1415 | 1180 | 224 | 85  | 355 | 130 | 1570 | 1765 | 1250 | -8.7                              | 31.7                   |
| 1QL1 356-2NA80-0AG2 | 2400                 | 710              | 840  | 1415 | 1180 | 224 | 85  | 355 | 130 | 1570 | 1765 | 1250 | -9.4                              | 32.9                   |
| 1QL1 400-2NA80-0AG2 | 2850                 | 800              | 880  | 1510 | 1250 | 250 | 85  | 400 | 130 | 1585 | 1890 | 1350 | -7.8                              | 35.7                   |
| 1QL1 402-2NA80-0AG2 | 2900                 | 800              | 880  | 1510 | 1250 | 250 | 85  | 400 | 130 | 1585 | 1890 | 1350 | -9.5                              | 37.9                   |
| 1QL1 404-2NA80-0AG2 | 3050                 | 800              | 880  | 1510 | 1250 | 250 | 85  | 400 | 130 | 1585 | 1890 | 1350 | -11.6                             | 41.5                   |
| 1QL1 406-2NA80-0AG2 | 3100                 | 800              | 880  | 1510 | 1250 | 250 | 85  | 400 | 130 | 1585 | 1890 | 1350 | -13.4                             | 43.8                   |
| 1QL1 408-2NA80-0AG2 | 3200                 | 800              | 880  | 1510 | 1250 | 250 | 85  | 400 | 130 | 1585 | 1890 | 1350 | -23.1                             | 54.4                   |
| 1QL1 453-2NA80-0JG2 | 3650                 | 850              | 1224 | 1958 | 1180 | 250 | 95  | 450 | 130 | 1590 | 1840 | 1600 | -18.2                             | 54                     |
| 1QL1 454-2NA80-0JG2 | 3800                 | 850              | 1224 | 1958 | 1180 | 250 | 95  | 450 | 130 | 1590 | 1840 | 1600 | -25.5                             | 62.8                   |
| 1QL1 457-2NA80-0JG2 | 4150                 | 850              | 1224 | 1958 | 1400 | 250 | 95  | 450 | 130 | 1590 | 2050 | 1600 | -26.2                             | 66.9                   |
| 1QL1 458-2NA80-0JG2 | 4350                 | 850              | 1224 | 1958 | 1400 | 250 | 95  | 450 | 130 | 1590 | 2050 | 1600 | -33.1                             | 75.8                   |
| 1QL1 504-2NA80-0JG2 | 4850                 | 950              | 1295 | 2100 | 1320 | 250 | 110 | 500 | 165 | 1730 | 1960 | 1750 | -28                               | 75.5                   |
| 1QL1 507-2NA80-0JG2 | 5400                 | 950              | 1295 | 2100 | 1500 | 250 | 110 | 500 | 165 | 1730 | 2170 | 1750 | -36                               | 89                     |
| 1QL1 508-2NA80-0JG2 | 5750                 | 950              | 1295 | 2100 | 1500 | 250 | 110 | 500 | 165 | 1730 | 2170 | 1750 | -45.8                             | 102.2                  |

# 外形及安装尺寸图

## Outline and Installation Dimensions



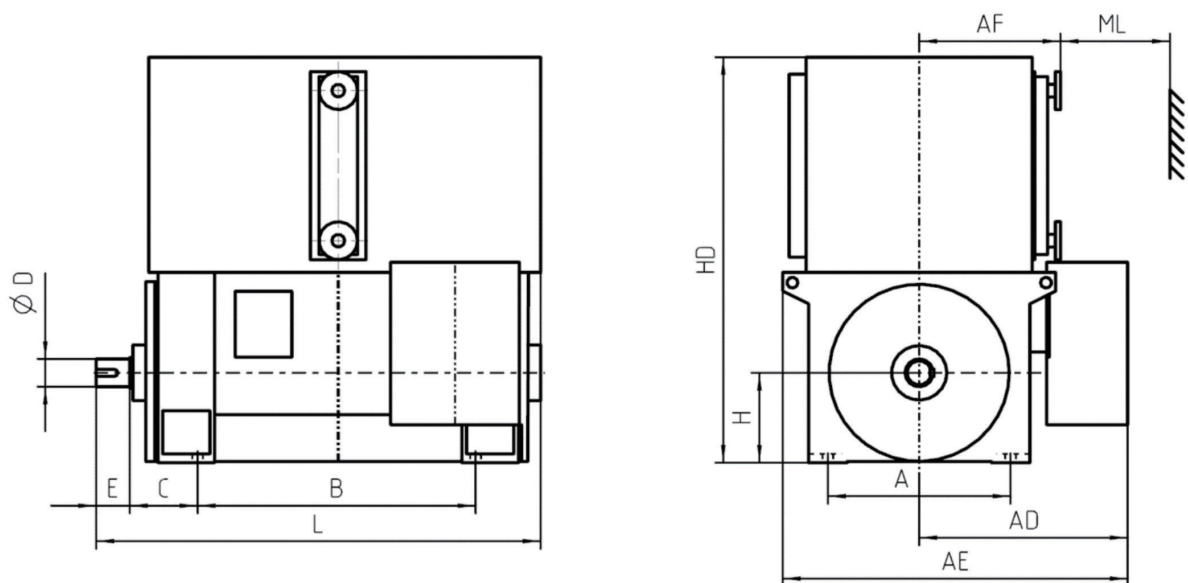
2 极 10 kV 50 Hz IC81W

| 订货号<br>Order No.    | Total weight<br>电机总重 | Dimensions<br>尺寸 |      |      |      |     |     |     |     |      |      |      | Dyn. Foundation Loading<br>基础动态负荷 |                        |
|---------------------|----------------------|------------------|------|------|------|-----|-----|-----|-----|------|------|------|-----------------------------------|------------------------|
|                     |                      | A                | AD   | AE   | B    | C   | D   | H   | E   | HD   | L    | ML   | tension up<br>向上                  | compression down<br>向下 |
|                     | kg                   | mm               |      |      |      |     |     |     |     |      |      |      | kN                                |                        |
| 1QL1 508-2NA80-0CJ2 | 5850                 | 950              | 1295 | 2100 | 1500 | 530 | 120 | 500 | 165 | 1730 | 2720 | 1750 | -41.4                             | 98.7                   |
| 1QL1 562-2NA80-0HJ2 | 6500                 | 1060             | 1370 | 2250 | 1400 | 600 | 150 | 560 | 200 | 1900 | 2810 | 1900 | -44.0                             | 107.8                  |
| 1QL1 563-2NA80-0HJ2 | 6800                 | 1060             | 1370 | 2250 | 1400 | 600 | 150 | 560 | 200 | 1900 | 2810 | 1900 | -40.5                             | 107.2                  |
| 1QL1 564-2NA80-0HJ2 | 7050                 | 1060             | 1370 | 2250 | 1400 | 600 | 150 | 560 | 200 | 1900 | 2810 | 1900 | -62.1                             | 131.3                  |
| 1QL1 567-2NA80-0HJ2 | 7800                 | 1060             | 1370 | 2250 | 1600 | 600 | 150 | 560 | 200 | 1900 | 3040 | 1900 | -65.1                             | 141.6                  |
| 1QL1 568-2NA80-0HJ2 | 8350                 | 1060             | 1370 | 2250 | 1600 | 600 | 150 | 560 | 200 | 1900 | 3040 | 1900 | -84.4                             | 166.3                  |



# 外形及安装尺寸图

## Outline and Installation Dimensions

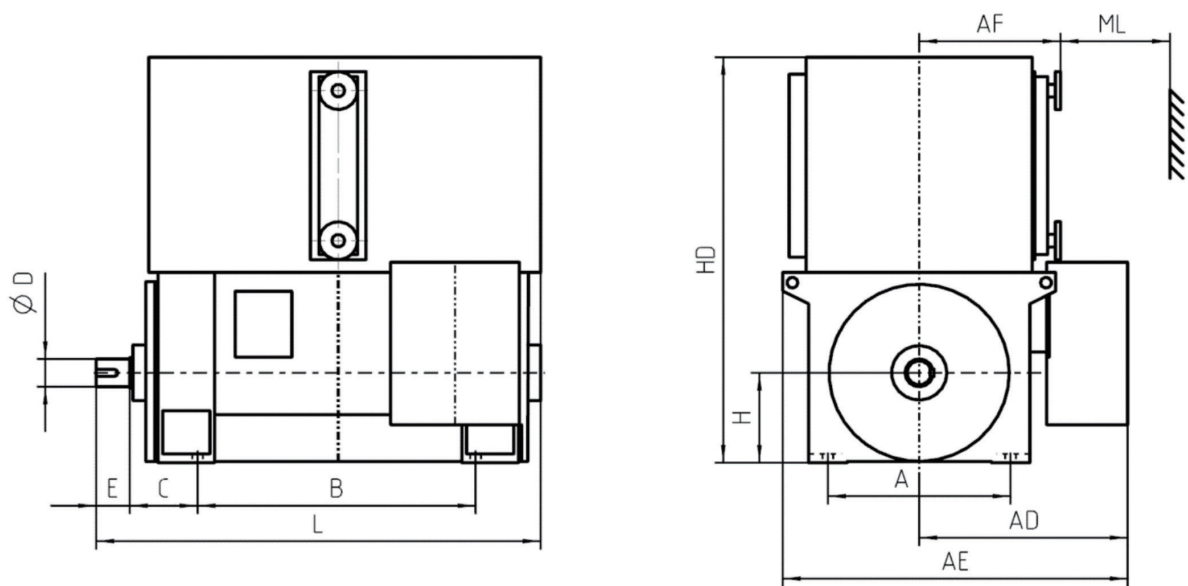


4 极 10 kV 50 Hz IC81W

| 订货号<br>Order No.    | Total weight<br>电机总重 | Dimensions<br>尺寸 |      |      |      |     |     |     |     |      |      |      | Dyn. Foundation Loading<br>基础动态负荷 |                        |
|---------------------|----------------------|------------------|------|------|------|-----|-----|-----|-----|------|------|------|-----------------------------------|------------------------|
|                     |                      | A                | AD   | AE   | B    | C   | D   | H   | E   | HD   | L    | ML   | tension up<br>向上                  | compression down<br>向下 |
|                     | kg                   | mm               |      |      |      |     |     |     |     |      |      |      | kN                                |                        |
| 1QL1 350-4NA80-0AG2 | 2300                 | 710              | 840  | 1415 | 1180 | 224 | 95  | 355 | 130 | 1570 | 1765 | 1250 | -25.5                             | 48.1                   |
| 1QL1 352-4NA80-0AG2 | 2350                 | 710              | 840  | 1415 | 1180 | 224 | 95  | 355 | 130 | 1570 | 1765 | 1250 | -30.6                             | 53.6                   |
| 1QL1 354-4NA80-0AG2 | 2450                 | 710              | 840  | 1415 | 1180 | 224 | 95  | 355 | 130 | 1570 | 1765 | 1250 | -36.9                             | 60.9                   |
| 1QL1 356-4NA80-0AG2 | 2550                 | 710              | 840  | 1415 | 1180 | 224 | 95  | 355 | 130 | 1570 | 1765 | 1250 | -43.8                             | 68.8                   |
| 1QL1 358-4NA80-0AG2 | 2650                 | 710              | 840  | 1415 | 1180 | 224 | 95  | 355 | 130 | 1570 | 1765 | 1250 | -47.1                             | 73.1                   |
| 1QL1 400-4NA80-0AG2 | 3000                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1585 | 1920 | 1350 | -36.5                             | 65.9                   |
| 1QL1 402-4NA80-0AG2 | 3100                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1585 | 1920 | 1350 | -42.4                             | 72.8                   |
| 1QL1 404-4NA80-0AG2 | 3200                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1585 | 1920 | 1350 | -49.0                             | 80.4                   |
| 1QL1 406-4NA80-0AG2 | 3400                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1585 | 1920 | 1350 | -53.1                             | 86.5                   |
| 1QL1 454-4NA80-0JG2 | 3900                 | 850              | 1224 | 1958 | 1180 | 250 | 130 | 450 | 200 | 1790 | 1920 | 1600 | -61.6                             | 99.8                   |
| 1QL1 457-4NA80-0JG2 | 4450                 | 850              | 1224 | 1958 | 1400 | 250 | 130 | 450 | 200 | 1790 | 2130 | 1600 | -78.2                             | 121.8                  |
| 1QL1 458-4NA80-0JG2 | 4650                 | 850              | 1224 | 1958 | 1400 | 250 | 130 | 450 | 200 | 1790 | 2130 | 1600 | -97.6                             | 143.2                  |
| 1QL1 503-4NA80-0JG2 | 5050                 | 950              | 1295 | 2100 | 1320 | 315 | 160 | 500 | 240 | 1730 | 2180 | 1750 | -67.7                             | 117.3                  |
| 1QL1 504-4NA80-0JG2 | 5300                 | 950              | 1295 | 2100 | 1320 | 315 | 160 | 500 | 240 | 1730 | 2180 | 1750 | -75.1                             | 127                    |
| 1QL1 507-4NA80-0JG2 | 5850                 | 950              | 1295 | 2100 | 1500 | 315 | 160 | 500 | 240 | 1730 | 2390 | 1750 | -82                               | 139.4                  |
| 1QL1 508-4NA80-0JG2 | 6200                 | 950              | 1295 | 2100 | 1500 | 315 | 160 | 500 | 240 | 1730 | 2390 | 1750 | -96.4                             | 157.2                  |
| 1QL1 508-4NA80-0CG2 | 6400                 | 950              | 1295 | 2100 | 1500 | 315 | 160 | 500 | 240 | 1730 | 2390 | 1750 | -144.1                            | 206.9                  |
| 1QL1 563-4NA80-0CG2 | 6800                 | 1060             | 1370 | 2250 | 1400 | 335 | 190 | 560 | 280 | 1900 | 2390 | 1900 | -100.6                            | 167.3                  |
| 1QL1 564-4NA80-0HG2 | 7300                 | 1060             | 1370 | 2250 | 1400 | 335 | 190 | 560 | 280 | 1900 | 2390 | 1900 | -133.9                            | 205.5                  |
| 1QL1 566-4NA80-0HG2 | 8100                 | 1060             | 1370 | 2250 | 1600 | 335 | 190 | 560 | 280 | 1900 | 2620 | 1900 | -155.3                            | 234.7                  |
| 1QL1 567-4NA80-0HG2 | 8500                 | 1060             | 1370 | 2250 | 1600 | 335 | 190 | 560 | 280 | 1900 | 2620 | 1900 | -172.8                            | 256.2                  |
| 1QL1 568-4NA80-0CG2 | 8950                 | 1060             | 1370 | 2250 | 1600 | 335 | 190 | 560 | 280 | 1900 | 2620 | 1900 | -216                              | 303.7                  |

# 外形及安装尺寸图

## Outline and Installation Dimensions

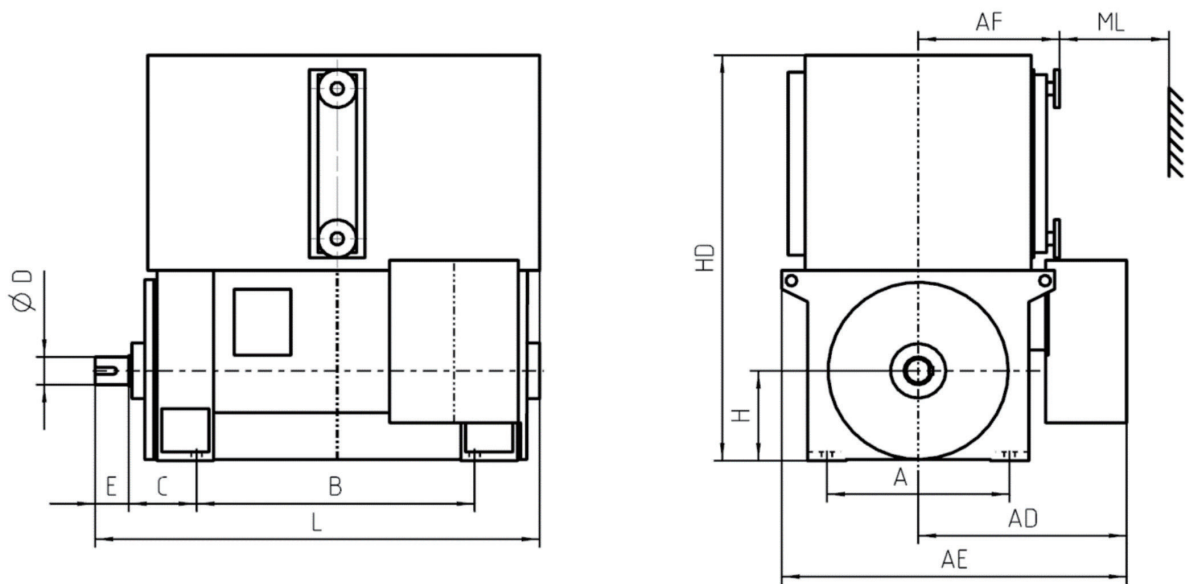


6 极 10 kV 50 Hz IC81W

| 订货号<br>Order No.    | Total weight<br>电机总重 | Dimensions<br>尺寸 |      |      |      |     |     |     |     |      |      |      | Dyn. Foundation Loading<br>基础动态负荷 |                        |
|---------------------|----------------------|------------------|------|------|------|-----|-----|-----|-----|------|------|------|-----------------------------------|------------------------|
|                     |                      | A                | AD   | AE   | B    | C   | D   | H   | E   | HD   | L    | ML   | tension up<br>向上                  | compression down<br>向下 |
|                     | kg                   | mm               |      |      |      |     |     |     |     |      |      |      | kN                                |                        |
| 1QL1 350-6NA80-0AG2 | 2550                 | 710              | 840  | 1415 | 1180 | 224 | 95  | 355 | 130 | 1570 | 1765 | 1250 | -17.9                             | 42.9                   |
| 1QL1 352-6NA80-0AG2 | 2600                 | 710              | 840  | 1415 | 1180 | 224 | 95  | 355 | 130 | 1570 | 1765 | 1250 | -22.1                             | 47.6                   |
| 1QL1 354-6NA80-0AG2 | 2650                 | 710              | 840  | 1415 | 1180 | 224 | 95  | 355 | 130 | 1570 | 1765 | 1250 | -28.1                             | 54.0                   |
| 1QL1 356-6NA80-0AG2 | 2750                 | 710              | 840  | 1415 | 1180 | 224 | 95  | 355 | 130 | 1570 | 1765 | 1250 | -35.1                             | 62.1                   |
| 1QL1 400-6NA80-0AG2 | 3050                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1585 | 1920 | 1350 | -26.5                             | 56.4                   |
| 1QL1 402-6NA80-0AG2 | 3200                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1585 | 1920 | 1350 | -37.5                             | 68.9                   |
| 1QL1 404-6NA80-0AG2 | 3400                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1585 | 1920 | 1350 | -37.0                             | 70.4                   |
| 1QL1 406-6NA80-0AG2 | 3550                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1585 | 1920 | 1350 | -58.6                             | 93.4                   |
| 1QL1 452-6NA80-0JG2 | 3600                 | 850              | 1224 | 1958 | 1180 | 250 | 130 | 450 | 200 | 1790 | 1920 | 1600 | -63.4                             | 98.7                   |
| 1QL1 453-6NA80-0JG2 | 3750                 | 850              | 1224 | 1958 | 1180 | 250 | 130 | 450 | 200 | 1790 | 1920 | 1600 | -71.7                             | 108.4                  |
| 1QL1 454-6NA80-0JG2 | 3900                 | 850              | 1224 | 1958 | 1180 | 250 | 130 | 450 | 200 | 1790 | 1920 | 1600 | -81.7                             | 119.9                  |
| 1QL1 457-6NA80-0JG2 | 4350                 | 850              | 1224 | 1958 | 1400 | 250 | 130 | 450 | 200 | 1790 | 2130 | 1600 | -91.5                             | 134.2                  |
| 1QL1 458-6NA80-0JG2 | 4600                 | 850              | 1224 | 1958 | 1400 | 250 | 130 | 450 | 200 | 1790 | 2130 | 1600 | -106.1                            | 151.2                  |
| 1QL1 503-6NA80-0JG2 | 5250                 | 950              | 1295 | 2100 | 1320 | 315 | 160 | 500 | 240 | 2120 | 2180 | 1750 | -95.1                             | 146.6                  |
| 1QL1 503-6NA80-0AG2 | 5250                 | 950              | 1295 | 2100 | 1320 | 315 | 160 | 500 | 240 | 2120 | 2180 | 1750 | -110.3                            | 161.8                  |
| 1QL1 507-6NA80-0JG2 | 6100                 | 950              | 1295 | 2100 | 1500 | 315 | 160 | 500 | 240 | 2120 | 2390 | 1750 | -125.6                            | 185.4                  |
| 1QL1 508-6NA80-0JG2 | 6450                 | 950              | 1295 | 2100 | 1500 | 315 | 160 | 500 | 240 | 2120 | 2390 | 1750 | -153.3                            | 216.6                  |
| 1QL1 508-6NA80-0CG2 | 6700                 | 950              | 1295 | 2100 | 1500 | 315 | 160 | 500 | 240 | 2120 | 2390 | 1750 | -148.1                            | 213.8                  |
| 1QL1 562-6NA80-0HG2 | 7250                 | 1060             | 1370 | 2250 | 1400 | 335 | 190 | 560 | 280 | 2450 | 2390 | 1900 | -132.5                            | 203.6                  |
| 1QL1 563-6NA80-0HG2 | 7550                 | 1060             | 1370 | 2250 | 1400 | 335 | 190 | 560 | 280 | 2450 | 2390 | 1900 | -147.6                            | 221.6                  |
| 1QL1 564-6NA80-0CG2 | 7950                 | 1060             | 1370 | 2250 | 1400 | 335 | 190 | 560 | 280 | 2450 | 2390 | 1900 | -163.8                            | 241.7                  |
| 1QL1 568-6NA80-0HG2 | 9300                 | 1060             | 1370 | 2250 | 1600 | 335 | 190 | 560 | 280 | 2450 | 2620 | 1900 | -209.8                            | 301                    |

# 外形及安装尺寸图

## Outline and Installation Dimensions



8 极 10 kV 50 Hz IC81W

| 订货号<br>Order No.    | Total weight<br>电机总重 | Dimensions<br>尺寸 |      |      |      |     |     |     |     |      |      |      | Dyn. Foundation Loading<br>基础动态负荷 |                        |
|---------------------|----------------------|------------------|------|------|------|-----|-----|-----|-----|------|------|------|-----------------------------------|------------------------|
|                     |                      | A                | AD   | AE   | B    | C   | D   | H   | E   | HD   | L    | ML   | tension up<br>向上                  | compression down<br>向下 |
|                     | kg                   | mm               |      |      |      |     |     |     |     |      |      |      | kN                                |                        |
| 1QL1 400-8NA80-0JG2 | 3050                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1585 | 1920 | 1350 | -24.7                             | 54.7                   |
| 1QL1 400-8NA80-0AG2 | 3000                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1585 | 1920 | 1350 | -31.2                             | 60.6                   |
| 1QL1 402-8NA80-0AG2 | 3150                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1585 | 1920 | 1350 | -30.1                             | 61.0                   |
| 1QL1 404-8NA80-0AG2 | 3300                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1585 | 1920 | 1350 | -30.5                             | 62.9                   |
| 1QL1 406-8NA80-0AG2 | 3500                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1585 | 1920 | 1350 | -49.6                             | 83.9                   |
| 1QL1 451-8NA80-0JG2 | 3550                 | 850              | 1224 | 1958 | 1180 | 250 | 130 | 450 | 200 | 1790 | 1920 | 1600 | -45.3                             | 80.1                   |
| 1QL1 452-8NA80-0JG2 | 3700                 | 850              | 1224 | 1958 | 1180 | 250 | 130 | 450 | 200 | 1790 | 1920 | 1600 | -49                               | 85.3                   |
| 1QL1 453-8NA80-0JG2 | 3900                 | 850              | 1224 | 1958 | 1180 | 250 | 130 | 450 | 200 | 1790 | 1920 | 1600 | -66.1                             | 104.3                  |
| 1QL1 454-8NA80-0JG2 | 4150                 | 850              | 1224 | 1958 | 1180 | 250 | 130 | 450 | 200 | 1790 | 1920 | 1600 | -70.6                             | 111.3                  |
| 1QL1 457-8NA80-0JG2 | 4600                 | 850              | 1224 | 1958 | 1400 | 250 | 130 | 450 | 200 | 1790 | 2130 | 1600 | -76.3                             | 121.4                  |
| 1QL1 458-8NA80-0AG2 | 4850                 | 850              | 1224 | 1958 | 1400 | 250 | 130 | 450 | 200 | 1790 | 2130 | 1600 | -95.1                             | 142.6                  |
| 1QL1 502-8NA80-0AG2 | 5050                 | 950              | 1295 | 2100 | 1320 | 315 | 160 | 500 | 240 | 2120 | 2180 | 1750 | -86.9                             | 136.4                  |
| 1QL1 504-8NA80-0JG2 | 5550                 | 950              | 1295 | 2100 | 1320 | 315 | 160 | 500 | 240 | 2120 | 2180 | 1750 | -88.6                             | 143                    |
| 1QL1 507-8NA80-0JG2 | 6150                 | 950              | 1295 | 2100 | 1500 | 315 | 160 | 500 | 240 | 2120 | 2390 | 1750 | -106.3                            | 166.6                  |
| 1QL1 508-8NA80-0JG2 | 6450                 | 950              | 1295 | 2100 | 1500 | 315 | 160 | 500 | 240 | 2120 | 2390 | 1750 | -121.8                            | 185                    |
| 1QL1 562-8NA80-0HG2 | 7150                 | 1060             | 1370 | 2250 | 1400 | 335 | 190 | 560 | 280 | 2450 | 2390 | 1900 | -110.1                            | 180.3                  |
| 1QL1 563-8NA80-0HG2 | 7450                 | 1060             | 1370 | 2250 | 1400 | 335 | 190 | 560 | 280 | 2450 | 2390 | 1900 | -127.9                            | 200.9                  |
| 1QL1 564-8NA80-0HG2 | 7950                 | 1060             | 1370 | 2250 | 1400 | 335 | 190 | 560 | 280 | 2450 | 2390 | 1900 | -146.1                            | 224.1                  |
| 1QL1 567-8NA80-0HG2 | 8750                 | 1060             | 1370 | 2250 | 1600 | 335 | 190 | 560 | 280 | 2450 | 2620 | 1900 | -168.9                            | 254.7                  |
| 1QL1 568-8NA80-0CG2 | 9250                 | 1060             | 1370 | 2250 | 1600 | 335 | 190 | 560 | 280 | 2450 | 2620 | 1900 | -186.7                            | 277.4                  |

# 选型技术数据表 Technical Data

## 2 极 6 kV 50 Hz IC01

| 订货号<br>Order No.    | 额定功率<br>Rated power<br>P <sub>N</sub> | 额定转速<br>Rated speed<br>n <sub>N</sub> | 额定电流<br>Rated current<br>I <sub>N</sub> | 效率<br>Efficiency | 功率因数<br>Power factor | 额定转矩<br>Rated torque<br>T <sub>N</sub> | 颠覆转矩<br>Breakdown torque<br>T <sub>max</sub> / T <sub>N</sub> | 堵转转矩<br>Locked-rotor torque<br>T <sub>st</sub> / T <sub>N</sub> | 堵转电流<br>Locked-rotor current<br>I <sub>st</sub> / I <sub>N</sub> | 冷却空气流量<br>Cooling air flow | 转动惯量<br>Moment of Inertia |                                           |
|---------------------|---------------------------------------|---------------------------------------|-----------------------------------------|------------------|----------------------|----------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------------------|----------------------------|---------------------------|-------------------------------------------|
|                     |                                       |                                       |                                         |                  |                      |                                        |                                                               |                                                                 |                                                                  |                            | 转子<br>Rotor               | 最大外拖 <sup>1)</sup><br>External max. perm. |
|                     | kW                                    | r/min                                 | A                                       | %                |                      | Nm                                     |                                                               |                                                                 |                                                                  | m³/s                       | kg m²                     | kg m²                                     |
| 1QD1 350-2FA60-0AG2 | 560                                   | 2963                                  | 65                                      | 95.1             | 0.87                 | 1805                                   | 2.3                                                           | 0.6                                                             | 5                                                                | 0.65                       | 3                         | 40                                        |
| 1QD1 352-2FA60-0AG2 | 630                                   | 2962                                  | 72                                      | 95.2             | 0.88                 | 2031                                   | 2.3                                                           | 0.6                                                             | 5                                                                | 0.7                        | 3.5                       | 40                                        |
| 1QD1 354-2FA60-0AG2 | 710                                   | 2961                                  | 81                                      | 95.3             | 0.88                 | 2290                                   | 2.3                                                           | 0.6                                                             | 5                                                                | 0.7                        | 3.5                       | 40                                        |
| 1QD1 356-2FA60-0AG2 | 800                                   | 2960                                  | 90                                      | 95.6             | 0.89                 | 2581                                   | 2.4                                                           | 0.65                                                            | 5.2                                                              | 0.7                        | 4                         | 35                                        |
| 1QD1 400-2FA60-0AG2 | 900                                   | 2970                                  | 103                                     | 95.7             | 0.88                 | 2894                                   | 2.2                                                           | 0.6                                                             | 5                                                                | 0.95                       | 6                         | 60                                        |
| 1QD1 402-2FA60-0AG2 | 1000                                  | 2971                                  | 114                                     | 95.8             | 0.88                 | 3214                                   | 2.3                                                           | 0.6                                                             | 5.1                                                              | 0.95                       | 6.5                       | 60                                        |
| 1QD1 404-2FA60-0AG2 | 1120                                  | 2971                                  | 126                                     | 95.9             | 0.89                 | 3600                                   | 2.45                                                          | 0.6                                                             | 5.5                                                              | 1                          | 7                         | 55                                        |
| 1QD1 406-2FA60-0AG2 | 1250                                  | 2969                                  | 141                                     | 96.1             | 0.89                 | 4020                                   | 2.3                                                           | 0.7                                                             | 5.4                                                              | 1                          | 7.5                       | 55                                        |
| 1QD1 408-2FA60-0AG2 | 1400                                  | 2968                                  | 156                                     | 96.2             | 0.9                  | 4504                                   | 2.3                                                           | 0.7                                                             | 5.3                                                              | 1                          | 8                         | 50                                        |
| 1QD1 453-2FA60-0JG2 | 1600                                  | 2975                                  | 180                                     | 96.3             | 0.89                 | 5137                                   | 2.1                                                           | 0.5                                                             | 5                                                                | 2.1                        | 9.9                       | 60                                        |
| 1QD1 454-2FA60-0JG2 | 1800                                  | 2975                                  | 200                                     | 96.3             | 0.89                 | 5781                                   | 2.2                                                           | 0.5                                                             | 5                                                                | 2.1                        | 10.6                      | 60                                        |
| 1QD1 457-2FA60-0AG2 | 2000                                  | 2975                                  | 220                                     | 96.5             | 0.9                  | 6426                                   | 2.25                                                          | 0.55                                                            | 5.2                                                              | 2.15                       | 11.5                      | 65                                        |
| 1QD1 458-2FA60-0AG2 | 2240                                  | 2975                                  | 250                                     | 96.6             | 0.9                  | 7192                                   | 2.25                                                          | 0.55                                                            | 5.2                                                              | 2.15                       | 12.7                      | 65                                        |
| 1QD1 507-2FA60-0KG2 | 2500                                  | 2976                                  | 275                                     | 96.9             | 0.91                 | 8022                                   | 2.8                                                           | 0.75                                                            | 5.7                                                              | 3.5                        | 17.6                      | 88                                        |
| 1QD1 507-2FA60-0JG2 | 2800                                  | 2972                                  | 305                                     | 96.8             | 0.91                 | 9001                                   | 2.5                                                           | 0.7                                                             | 5.1                                                              | 3.5                        | 17.6                      | 76                                        |
| 1QD1 508-2FA60-0JG2 | 3150                                  | 2975                                  | 345                                     | 96.9             | 0.91                 | 10115                                  | 2.8                                                           | 0.75                                                            | 5.8                                                              | 3.45                       | 19.8                      | 90                                        |
| 1QD1 508-2FA60-0HG2 | 3550                                  | 2976                                  | 385                                     | 97               | 0.92                 | 11399                                  | 2.4                                                           | 0.7                                                             | 4.9                                                              | 3.45                       | 26.6                      | 134                                       |
| 1QD1 562-2FA60-0HJ2 | 4000                                  | 2979                                  | 440                                     | 96.8             | 0.9                  | 12826                                  | 2.05                                                          | 0.55                                                            | 4.6                                                              | 5.6                        | 41.2                      | 250                                       |
| 1QD1 563-2FA60-0CJ2 | 4500                                  | 2978                                  | 500                                     | 96.8             | 0.89                 | 14432                                  | 2                                                             | 0.5                                                             | 4.5                                                              | 5.55                       | 44                        | 230                                       |
| 1QD1 564-2FA60-0CJ2 | 5000                                  | 2979                                  | 550                                     | 96.9             | 0.91                 | 16029                                  | 2.15                                                          | 0.5                                                             | 4.8                                                              | 5.55                       | 47                        | 250                                       |
| 1QD1 567-2FA60-0CJ2 | 5600                                  | 2980                                  | 610                                     | 97               | 0.91                 | 17951                                  | 2.1                                                           | 0.55                                                            | 4.8                                                              | 5.6                        | 51.8                      | 255                                       |
| 1QD1 568-2FA60-0HJ2 | 6300                                  | 2982                                  | 680                                     | 97.3             | 0.91                 | 20186                                  | 2.3                                                           | 0.55                                                            | 5.2                                                              | 5.55                       | 57.8                      | 275                                       |

- <sup>1)</sup> 直接起动时的最大外部转动惯量是基于以下条件：
  - 三次冷起/两次热起（中心高450、500为两次冷起/一次热起）
  - 起动电压不小于 0.9 倍额定电压 U<sub>N</sub>
  - 负载转矩与转速成平方关系
  - 额定速度时负载阻转矩不应超过额定转矩 T<sub>N</sub> 的 60%
- <sup>1)</sup> The maximum external moment of inertia for direct online starting is based on the following conditions:
  - Three starts from cold or two starts from warm (SH450,500 is two starts from cold or one starts from warm)
  - The starting voltage is not less than 0.9 x rated voltage U<sub>N</sub>
  - The load torque increases approximately according to a square- law with the speed
  - The load torque at rated speed should not exceed 60 %

上述电气参数为典型值，具体保证值可根据需求提供。

The electrical parameters listed above are typical values. The guaranteed values can be provided on request.

# 选型技术数据表 Technical Data

## 4 极 6 kV 50 Hz IC01

| 订货号<br>Order No.    | 额定功率<br>Rated power<br>$P_N$ | 额定转速<br>Rated speed<br>$n_N$ | 额定电流<br>Rated current<br>$I_N$ | 效率<br>Efficiency | 功率因数<br>Power factor | 额定转矩<br>Rated torque<br>$T_N$ | 颠覆转矩<br>Breakdown torque<br>$T_{max} / T_N$ | 堵转转矩<br>Locked-rotor torque<br>$T_{st} / T_N$ | 堵转电流<br>Locked-rotor current<br>$I_{st} / I_N$ | 冷却空气流量<br>Cooling air flow | 转动惯量<br>Moment of Inertia |                                           |
|---------------------|------------------------------|------------------------------|--------------------------------|------------------|----------------------|-------------------------------|---------------------------------------------|-----------------------------------------------|------------------------------------------------|----------------------------|---------------------------|-------------------------------------------|
|                     |                              |                              |                                |                  |                      |                               |                                             |                                               |                                                |                            | 转子<br>Rotor               | 最大外拖 <sup>1)</sup><br>External max. perm. |
|                     | kW                           | r/min                        | A                              | %                |                      | Nm                            |                                             |                                               |                                                | m³/s                       | kg m²                     | kg m²                                     |
| 1QD1 350-4FA60-0AG2 | 560                          | 1481                         | 68                             | 95               | 0.84                 | 3611                          | 2.5                                         | 0.8                                           | 5.4                                            | 0.85                       | 5.8                       | 270                                       |
| 1QD1 352-4FA60-0AG2 | 630                          | 1482                         | 76                             | 95.2             | 0.84                 | 4059                          | 2.5                                         | 0.8                                           | 5.4                                            | 0.9                        | 6.1                       | 260                                       |
| 1QD1 354-4FA60-0AG2 | 710                          | 1481                         | 85                             | 95.4             | 0.84                 | 4578                          | 2.5                                         | 0.8                                           | 5.4                                            | 0.9                        | 6.7                       | 275                                       |
| 1QD1 356-4FA60-0AG2 | 800                          | 1482                         | 95                             | 95.5             | 0.85                 | 5155                          | 2.5                                         | 0.85                                          | 5.4                                            | 0.9                        | 7.4                       | 295                                       |
| 1QD1 358-4FA60-0AG2 | 900                          | 1482                         | 107                            | 95.6             | 0.85                 | 5799                          | 2.5                                         | 0.85                                          | 5.5                                            | 0.95                       | 8.1                       | 315                                       |
| 1QD1 400-4FA60-0AG2 | 1000                         | 1482                         | 120                            | 95.7             | 0.84                 | 6444                          | 2.15                                        | 0.8                                           | 5.2                                            | 1.1                        | 11.3                      | 400                                       |
| 1QD1 402-4FA60-0AG2 | 1120                         | 1483                         | 132                            | 95.8             | 0.85                 | 7212                          | 2.15                                        | 0.8                                           | 5.2                                            | 1.1                        | 12.1                      | 420                                       |
| 1QD1 404-4FA60-0AG2 | 1250                         | 1483                         | 146                            | 96               | 0.86                 | 8049                          | 2.2                                         | 0.8                                           | 5.2                                            | 1.1                        | 13.5                      | 460                                       |
| 1QD1 406-4FA60-0AG2 | 1400                         | 1483                         | 165                            | 96               | 0.85                 | 9015                          | 2.3                                         | 0.85                                          | 5.3                                            | 1.1                        | 14.8                      | 470                                       |
| 1QD1 454-4FA60-0JG2 | 1600                         | 1482                         | 180                            | 96.1             | 0.89                 | 10315                         | 2.4                                         | 0.7                                           | 5.5                                            | 1.5                        | 18.6                      | 310                                       |
| 1QD1 457-4FA60-0JG2 | 1800                         | 1484                         | 200                            | 96.3             | 0.89                 | 11587                         | 2.6                                         | 0.8                                           | 6                                              | 1.55                       | 22.2                      | 420                                       |
| 1QD1 458-4FA60-0JG2 | 2000                         | 1484                         | 225                            | 96.4             | 0.89                 | 12877                         | 2.7                                         | 0.85                                          | 6                                              | 1.6                        | 24.3                      | 435                                       |
| 1QD1 503-4FA60-0JG2 | 2240                         | 1486                         | 250                            | 96.7             | 0.89                 | 14400                         | 2.5                                         | 0.85                                          | 5.5                                            | 2.5                        | 37                        | 545                                       |
| 1QD1 504-4FA60-0JG2 | 2500                         | 1487                         | 275                            | 96.8             | 0.9                  | 16068                         | 2.55                                        | 0.9                                           | 5.7                                            | 2.5                        | 40.5                      | 585                                       |
| 1QD1 507-4FA60-0JG2 | 2800                         | 1486                         | 310                            | 96.9             | 0.9                  | 18003                         | 2.45                                        | 0.85                                          | 5.5                                            | 2.5                        | 45.5                      | 655                                       |
| 1QD1 508-4FA60-0JG2 | 3150                         | 1485                         | 350                            | 96.9             | 0.9                  | 20270                         | 2.4                                         | 0.9                                           | 5.4                                            | 2.5                        | 50.5                      | 705                                       |
| 1QD1 562-4FA60-0CG2 | 3550                         | 1490                         | 396                            | 97               | 0.89                 | 22752                         | 2                                           | 0.6                                           | 4.8                                            | 4.1                        | 154.8                     | 615                                       |
| 1QD1 563-4FA60-0CG2 | 4000                         | 1489                         | 446                            | 97               | 0.89                 | 25653                         | 1.95                                        | 0.6                                           | 4.7                                            | 4.15                       | 164.9                     | 580                                       |
| 1QD1 564-4FA60-0HG2 | 4500                         | 1490                         | 501                            | 97.1             | 0.89                 | 28840                         | 2.05                                        | 0.6                                           | 4.9                                            | 4.15                       | 185                       | 685                                       |
| 1QD1 566-4FA60-0HG2 | 5000                         | 1491                         | 556                            | 97.3             | 0.89                 | 32023                         | 2.15                                        | 0.65                                          | 5.2                                            | 4.2                        | 204.2                     | 735                                       |
| 1QD1 567-4FA60-0HG2 | 5600                         | 1490                         | 622                            | 97.3             | 0.89                 | 35890                         | 2.05                                        | 0.6                                           | 5                                              | 4.15                       | 224.9                     | 760                                       |
| 1QD1 568-4FA60-0CG2 | 6300                         | 1491                         | 692                            | 97.4             | 0.9                  | 40349                         | 2.2                                         | 0.7                                           | 5.4                                            | 4.2                        | 243.9                     | 760                                       |

- <sup>1)</sup> 直接起动时的最大外部转动惯量是基于以下条件：
  - 三次冷起/两次热起
  - 起动电压不小于 0.9 倍额定电压  $U_N$
  - 负载转矩与转速成平方关系
  - 一额定速度时负载阻转矩不应超过额定转矩  $T_N$  的 90%
- <sup>1)</sup> The maximum external moment of inertia for direct online starting is based on the following conditions:
  - Three starts from cold or two starts from warm
  - The starting voltage is not less than 0.9 x rated voltage  $U_N$
  - The load torque increases approximately according to a square- law with the speed
  - The load torque at rated speed should not exceed 90% rated torque  $T_N$

上述电气参数为典型值，具体保证值可根据需求提供

The electrical parameters listed above are typical values. The guaranteed values can be provided on request

# 选型技术数据表 Technical Data

## 6 极 6 kV 50 Hz IC01

| 订货号<br>Order No.    | 额定<br>功率<br>Rated<br>power<br>$P_N$ | 额定<br>转速<br>Rated<br>speed<br>$n_N$ | 额定<br>电流<br>Rated<br>current<br>$I_N$ | 效率<br>Efficiency | 功率<br>因数<br>Power<br>factor | 额定<br>转矩<br>Rated<br>torque<br>$T_N$ | 颠覆转矩<br>Breakdown<br>torque<br>$T_{max} / T_N$ | 堵转转矩<br>Locked-rotor<br>torque<br>$T_{st} / T_N$ | 堵转电流<br>Locked-rotor<br>current<br>$I_{st} / I_N$ | 冷却<br>空气流量<br>Cooling air<br>flow | 转动惯量<br>Moment of Inertia |                                              |
|---------------------|-------------------------------------|-------------------------------------|---------------------------------------|------------------|-----------------------------|--------------------------------------|------------------------------------------------|--------------------------------------------------|---------------------------------------------------|-----------------------------------|---------------------------|----------------------------------------------|
|                     |                                     |                                     |                                       |                  |                             |                                      |                                                |                                                  |                                                   |                                   | 转子<br>Rotor               | 最大外拖 <sup>1)</sup><br>External max.<br>perm. |
|                     | kW                                  | r/min                               | A                                     | %                |                             | Nm                                   |                                                |                                                  |                                                   | m³/s                              | kg m²                     | kg m²                                        |
| 1QD1 350-6FA60-0AG2 | 450                                 | 990                                 | 55                                    | 95               | 0.83                        | 4341                                 | 2.3                                            | 0.95                                             | 5.5                                               | 0.65                              | 10                        | 200                                          |
| 1QD1 352-6FA60-0AG2 | 500                                 | 988                                 | 60                                    | 95.2             | 0.84                        | 4833                                 | 2.1                                            | 0.8                                              | 5.4                                               | 0.65                              | 10                        | 275                                          |
| 1QD1 354-6FA60-0AG2 | 560                                 | 989                                 | 68                                    | 95.1             | 0.83                        | 5407                                 | 2.15                                           | 0.85                                             | 5.5                                               | 0.7                               | 11                        | 195                                          |
| 1QD1 356-6FA60-0AG2 | 630                                 | 989                                 | 77                                    | 95.3             | 0.83                        | 6083                                 | 2.2                                            | 0.9                                              | 5.5                                               | 0.7                               | 12                        | 320                                          |
| 1QD1 400-6FA60-0AG2 | 710                                 | 988                                 | 85                                    | 95.4             | 0.84                        | 6862                                 | 2                                              | 0.8                                              | 5.2                                               | 0.9                               | 16                        | 570                                          |
| 1QD1 402-6FA60-0AG2 | 800                                 | 988                                 | 95                                    | 95.5             | 0.85                        | 7732                                 | 2                                              | 0.8                                              | 5                                                 | 0.9                               | 18                        | 600                                          |
| 1QD1 404-6FA60-0AG2 | 900                                 | 991                                 | 110                                   | 95.8             | 0.82                        | 8672                                 | 2.55                                           | 1                                                | 5.6                                               | 0.95                              | 20                        | 915                                          |
| 1QD1 406-6FA60-0AG2 | 1000                                | 988                                 | 118                                   | 95.7             | 0.85                        | 9665                                 | 2.1                                            | 0.8                                              | 5.4                                               | 0.95                              | 22                        | 745                                          |
| 1QD1 453-6FA60-0JG2 | 1120                                | 989                                 | 130                                   | 95.8             | 0.86                        | 10822                                | 2.3                                            | 0.8                                              | 5.5                                               | 1.25                              | 22.2                      | 1030                                         |
| 1QD1 454-6FA60-0JG2 | 1250                                | 989                                 | 146                                   | 96               | 0.86                        | 12068                                | 2.3                                            | 0.8                                              | 5.5                                               | 1.25                              | 24.5                      | 1200                                         |
| 1QD1 457-6FA60-0JG2 | 1400                                | 989                                 | 164                                   | 96               | 0.86                        | 13526                                | 2.3                                            | 0.8                                              | 5.5                                               | 1.3                               | 27.5                      | 1220                                         |
| 1QD1 458-6FA60-0JG2 | 1600                                | 989                                 | 186                                   | 96.1             | 0.86                        | 15457                                | 2.3                                            | 0.8                                              | 5.5                                               | 1.35                              | 31.2                      | 1250                                         |
| 1QD1 502-6FA60-0AG2 | 1800                                | 990                                 | 210                                   | 96.2             | 0.85                        | 17362                                | 2.15                                           | 0.85                                             | 4.5                                               | 1.85                              | 42                        | 1620                                         |
| 1QD1 503-6FA60-0AG2 | 2000                                | 990                                 | 230                                   | 96.4             | 0.86                        | 19292                                | 2.15                                           | 0.85                                             | 4.6                                               | 1.85                              | 46.5                      | 1790                                         |
| 1QD1 504-6FA60-0JG2 | 2240                                | 990                                 | 260                                   | 96.4             | 0.86                        | 21606                                | 2.2                                            | 0.9                                              | 4.7                                               | 1.9                               | 51                        | 1780                                         |
| 1QD1 507-6FA60-0JG2 | 2500                                | 990                                 | 290                                   | 96.5             | 0.86                        | 24114                                | 2.25                                           | 0.95                                             | 4.8                                               | 1.9                               | 57.5                      | 2150                                         |
| 1QD1 562-6FA60-0HG2 | 2800                                | 992                                 | 325                                   | 96.7             | 0.86                        | 26954                                | 2                                              | 0.6                                              | 5.5                                               | 2.65                              | 105.3                     | 2430                                         |
| 1QD1 563-6FA60-0HG2 | 3150                                | 992                                 | 365                                   | 96.8             | 0.86                        | 30323                                | 2                                              | 0.6                                              | 5.5                                               | 2.7                               | 113.1                     | 2500                                         |
| 1QD1 564-6FA60-0HG2 | 3550                                | 992                                 | 410                                   | 96.9             | 0.86                        | 34173                                | 2                                              | 0.6                                              | 5.5                                               | 2.8                               | 123.5                     | 2485                                         |
| 1QD1 567-6FA60-0HG2 | 4000                                | 992                                 | 460                                   | 97               | 0.86                        | 38505                                | 2                                              | 0.6                                              | 5.5                                               | 2.8                               | 137.1                     | 2600                                         |
| 1QD1 568-6FA60-0HG2 | 4500                                | 993                                 | 520                                   | 97.1             | 0.86                        | 43275                                | 2                                              | 0.6                                              | 5.5                                               | 2.8                               | 150.6                     | 2945                                         |

<sup>1)</sup> 直接起动时的最大外部转动惯量是基于以下条件：

- 三次冷起/两次热起
- 起动电压不小于 0.9 倍额定电压  $U_N$
- 负载转矩与转速成平方关系
- 一额定速度时负载阻转矩不应超过额定转矩  $T_N$  的 90%

上述电气参数为典型值，具体保证值可根据需求提供

<sup>1)</sup> The maximum external moment of inertia for direct online starting is based on the following conditions:

- Three starts from cold or two starts from warm
- The starting voltage is not less than 0.9 x rated voltage  $U_N$
- The load torque increases approximately according to a square- law with the speed
- The load torque at rated speed should not exceed 90% rated torque  $T_N$

The electrical parameters listed above are typical values. The guaranteed values can be provided on request

# 选型技术数据表 Technical Data

## 8 极 6 kV 50 Hz IC01

| 订货号<br>Order No.    | 额定功率<br>Rated power<br>$P_N$ | 额定转速<br>Rated speed<br>$n_N$ | 额定电流<br>Rated current<br>$I_N$ | 效率<br>Efficiency | 功率因数<br>Power factor | 额定转矩<br>Rated torque<br>$T_N$ | 颠覆转矩<br>Breakdown torque<br>$T_{max} / T_N$ | 堵转转矩<br>Locked-rotor torque<br>$T_{st} / T_N$ | 堵转电流<br>Locked-rotor current<br>$I_{st} / I_N$ | 冷却空气流量<br>Cooling air flow | 转动惯量<br>Moment of Inertia |                                           |
|---------------------|------------------------------|------------------------------|--------------------------------|------------------|----------------------|-------------------------------|---------------------------------------------|-----------------------------------------------|------------------------------------------------|----------------------------|---------------------------|-------------------------------------------|
|                     |                              |                              |                                |                  |                      |                               |                                             |                                               |                                                |                            | 转子<br>Rotor               | 最大外拖 <sup>1)</sup><br>External max. perm. |
|                     | kW                           | r/min                        | A                              | %                |                      | Nm                            |                                             |                                               |                                                | m³/s                       | kg m²                     | kg m²                                     |
| 1QD1 350-8FA60-0AG2 | 280                          | 742                          | 37                             | 93.7             | 0.78                 | 3604                          | 2.45                                        | 0.85                                          | 5.2                                            | 0.5                        | 9.5                       | 480                                       |
| 1QD1 352-8FA60-0AG2 | 315                          | 742                          | 41.5                           | 94               | 0.78                 | 4054                          | 2.45                                        | 0.85                                          | 5.2                                            | 0.5                        | 10                        | 660                                       |
| 1QD1 354-8FA60-0AG2 | 355                          | 742                          | 47                             | 94               | 0.77                 | 4569                          | 2.5                                         | 0.9                                           | 5.3                                            | 0.55                       | 10.5                      | 580                                       |
| 1QD1 356-8FA60-0AG2 | 400                          | 742                          | 53                             | 94.2             | 0.77                 | 5148                          | 2.5                                         | 0.9                                           | 5.3                                            | 0.55                       | 11.5                      | 590                                       |
| 1QD1 400-8FA60-0JG2 | 450                          | 744                          | 61                             | 94.6             | 0.75                 | 5776                          | 2.5                                         | 0.85                                          | 5                                              | 0.7                        | 15                        | 960                                       |
| 1QD1 400-8FA60-0AG2 | 500                          | 744                          | 67                             | 94.8             | 0.76                 | 6418                          | 2.25                                        | 0.8                                           | 4.6                                            | 0.7                        | 15                        | 770                                       |
| 1QD1 402-8FA60-0AG2 | 560                          | 743                          | 75                             | 94.9             | 0.76                 | 7197                          | 2.25                                        | 0.8                                           | 4.6                                            | 0.7                        | 16                        | 830                                       |
| 1QD1 404-8FA60-0AG2 | 630                          | 743                          | 81                             | 95               | 0.79                 | 8097                          | 2.2                                         | 0.8                                           | 4.6                                            | 0.75                       | 18.5                      | 870                                       |
| 1QD1 406-8FA60-0AG2 | 710                          | 744                          | 90                             | 95               | 0.8                  | 9113                          | 2.2                                         | 0.8                                           | 4.6                                            | 0.75                       | 21                        | 1100                                      |
| 1QD1 452-8FA60-0JG2 | 800                          | 739                          | 100                            | 95.2             | 0.81                 | 10328                         | 1.85                                        | 0.6                                           | 4                                              | 0.9                        | 24.8                      | 1700                                      |
| 1QD1 453-8FA60-0JG2 | 900                          | 739                          | 112                            | 95.3             | 0.81                 | 11617                         | 1.85                                        | 0.6                                           | 4                                              | 0.95                       | 27.8                      | 2180                                      |
| 1QD1 454-8FA60-0AG2 | 1000                         | 739                          | 124                            | 95.4             | 0.81                 | 12919                         | 1.85                                        | 0.6                                           | 4                                              | 0.95                       | 31.3                      | 2450                                      |
| 1QD1 457-8FA60-0JG2 | 1120                         | 740                          | 140                            | 95.5             | 0.81                 | 14455                         | 1.95                                        | 0.65                                          | 4.5                                            | 1                          | 35.2                      | 2750                                      |
| 1QD1 458-8FA60-0JG2 | 1250                         | 740                          | 156                            | 95.6             | 0.81                 | 16133                         | 1.95                                        | 0.65                                          | 4.5                                            | 1                          | 39                        | 2810                                      |
| 1QD1 502-8FA60-0AG2 | 1400                         | 742                          | 174                            | 95.9             | 0.81                 | 18018                         | 1.95                                        | 0.7                                           | 3.9                                            | 1.15                       | 46                        | 2280                                      |
| 1QD1 503-8FA60-0AG2 | 1600                         | 741                          | 196                            | 96               | 0.82                 | 20619                         | 1.85                                        | 0.7                                           | 3.7                                            | 1.2                        | 51                        | 2130                                      |
| 1QD1 507-8FA60-0JG2 | 1800                         | 743                          | 220                            | 96.3             | 0.82                 | 23134                         | 2.1                                         | 0.8                                           | 4.3                                            | 1.35                       | 63                        | 3670                                      |
| 1QD1 508-8FA60-0AG2 | 2000                         | 743                          | 245                            | 96.4             | 0.82                 | 25705                         | 2.15                                        | 0.85                                          | 4.4                                            | 1.35                       | 69                        | 3790                                      |
| 1QD1 563-8FA60-0HG2 | 2240                         | 744                          | 270                            | 96.3             | 0.83                 | 28751                         | 2.05                                        | 0.55                                          | 4.5                                            | 1.95                       | 123.6                     | 3285                                      |
| 1QD1 564-8FA60-0HG2 | 2500                         | 744                          | 300                            | 96.4             | 0.83                 | 32088                         | 2.1                                         | 0.6                                           | 4.6                                            | 2                          | 136.6                     | 3735                                      |
| 1QD1 567-8FA60-0HG2 | 2800                         | 744                          | 335                            | 96.6             | 0.83                 | 35938                         | 2.2                                         | 0.65                                          | 4.9                                            | 2.05                       | 150.3                     | 4420                                      |
| 1QD1 568-8FA60-0HG2 | 3150                         | 744                          | 375                            | 96.8             | 0.83                 | 40430                         | 2.2                                         | 0.6                                           | 4.8                                            | 2.05                       | 164.6                     | 6540                                      |

<sup>1)</sup> 直接起动时的最大外部转动惯量是基于以下条件：

- 三次冷起/两次热起
- 起动电压不小于 0.9 倍额定电压  $U_N$
- 负载转矩与转速成平方关系
- 一额定速度时负载阻转矩不应超过额定转矩  $T_N$  的 90%

上述电气参数为典型值，具体保证值可根据需求提供

<sup>1)</sup> The maximum external moment of inertia for direct online starting is based on the following conditions:

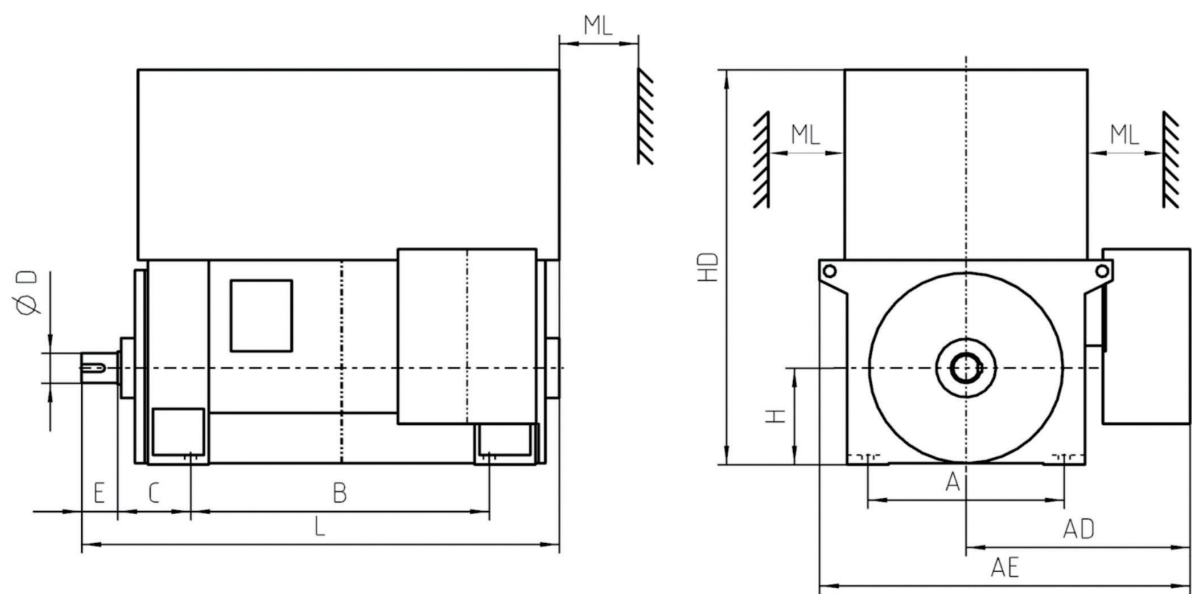
- Three starts from cold or two starts from warm
- The starting voltage is not less than 0.9 x rated voltage  $U_N$
- The load torque increases approximately according to a square- law with the speed
- The load torque at rated speed should not exceed 90% rated torque  $T_N$

The electrical parameters listed above are typical values. The guaranteed values can be provided on request



# 外形及安装尺寸图

## Outline and Installation Dimensions

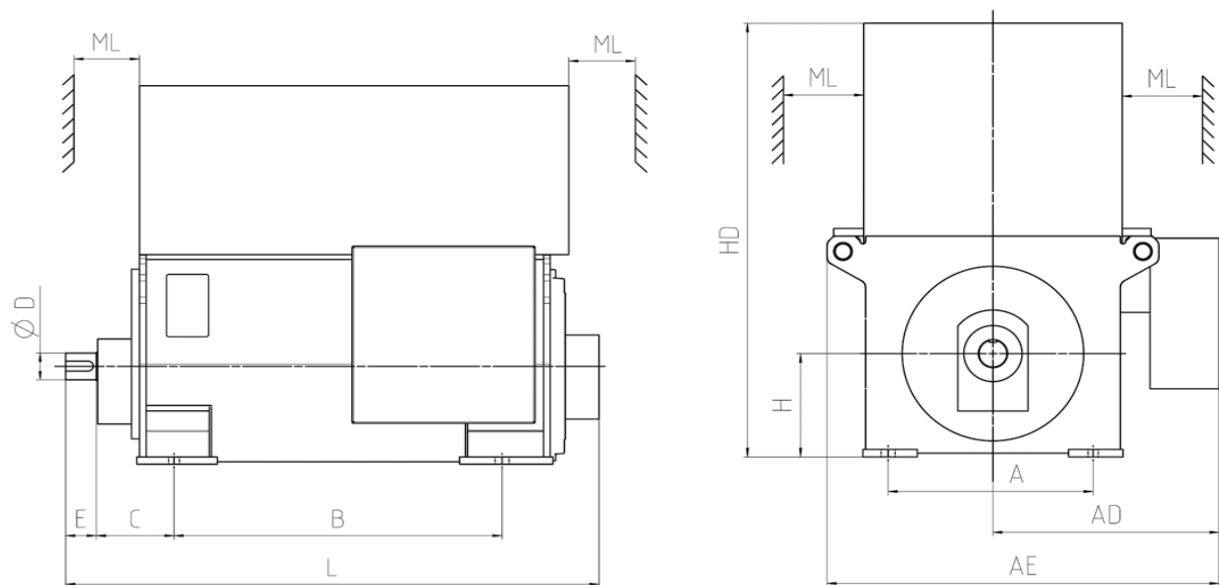


2 极 6 kV 50 Hz IC01

| 订货号<br>Order No.    | Total weight<br>电机总重 | Dimensions<br>尺寸 |      |      |      |     |     |     |     |      |      |     | Dyn. Foundation Loading<br>基础动态负荷 |                        |
|---------------------|----------------------|------------------|------|------|------|-----|-----|-----|-----|------|------|-----|-----------------------------------|------------------------|
|                     |                      | A                | AD   | AE   | B    | C   | D   | H   | E   | HD   | L    | ML  | tension up<br>向上                  | compression down<br>向下 |
|                     | kg                   | mm               |      |      |      |     |     |     |     |      |      |     | kN                                |                        |
| 1QD1 350-2FA60-0AG2 | 2000                 | 710              | 730  | 1305 | 1180 | 224 | 85  | 355 | 130 | 1160 | 1755 | 150 | -4.9                              | 24.5                   |
| 1QD1 352-2FA60-0AG2 | 2050                 | 710              | 730  | 1305 | 1180 | 224 | 85  | 355 | 130 | 1160 | 1755 | 150 | -7.8                              | 27.9                   |
| 1QD1 354-2FA60-0AG2 | 2150                 | 710              | 730  | 1305 | 1180 | 224 | 85  | 355 | 130 | 1160 | 1755 | 150 | -10.0                             | 31.1                   |
| 1QD1 356-2FA60-0AG2 | 2200                 | 710              | 730  | 1305 | 1180 | 224 | 85  | 355 | 130 | 1160 | 1755 | 150 | -12.8                             | 34.4                   |
| 1QD1 400-2FA60-0AG2 | 2600                 | 800              | 770  | 1400 | 1250 | 250 | 85  | 400 | 130 | 1245 | 1880 | 150 | -9.3                              | 34.8                   |
| 1QD1 402-2FA60-0AG2 | 2700                 | 800              | 770  | 1400 | 1250 | 250 | 85  | 400 | 130 | 1245 | 1880 | 150 | -13.0                             | 39.5                   |
| 1QD1 404-2FA60-0AG2 | 2750                 | 800              | 770  | 1400 | 1250 | 250 | 85  | 400 | 130 | 1245 | 1880 | 150 | -17.2                             | 44.2                   |
| 1QD1 406-2FA60-0AG2 | 2850                 | 800              | 770  | 1400 | 1250 | 250 | 85  | 400 | 130 | 1245 | 1880 | 150 | -23.4                             | 51.4                   |
| 1QD1 408-2FA60-0AG2 | 2950                 | 800              | 770  | 1400 | 1250 | 250 | 85  | 400 | 130 | 1245 | 1880 | 150 | -26.6                             | 55.5                   |
| 1QD1 453-2FA60-0JG2 | 3450                 | 850              | 1114 | 1848 | 1180 | 250 | 95  | 450 | 130 | 1490 | 1840 | 200 | -20.3                             | 54.2                   |
| 1QD1 454-2FA60-0JG2 | 3600                 | 850              | 1114 | 1848 | 1180 | 250 | 95  | 450 | 130 | 1490 | 1840 | 200 | -26.4                             | 61.7                   |
| 1QD1 457-2FA60-0AG2 | 3900                 | 850              | 1114 | 1848 | 1400 | 250 | 95  | 450 | 130 | 1490 | 2050 | 200 | -31.3                             | 69.5                   |
| 1QD1 458-2FA60-0AG2 | 4100                 | 850              | 1114 | 1848 | 1400 | 250 | 95  | 450 | 130 | 1490 | 2050 | 200 | -35.3                             | 75.5                   |
| 1QD1 507-2FA60-0KG2 | 5150                 | 950              | 1185 | 1990 | 1500 | 250 | 110 | 500 | 165 | 1700 | 2170 | 250 | -37.3                             | 87.8                   |
| 1QD1 507-2FA60-0JG2 | 5200                 | 950              | 1185 | 1990 | 1500 | 250 | 110 | 500 | 165 | 1700 | 2170 | 250 | -39.7                             | 90.7                   |
| 1QD1 508-2FA60-0JG2 | 5500                 | 950              | 1185 | 1990 | 1500 | 250 | 110 | 500 | 165 | 1700 | 2170 | 250 | -57.1                             | 111.1                  |

# 外形及安装尺寸图

## Outline and Installation Dimensions

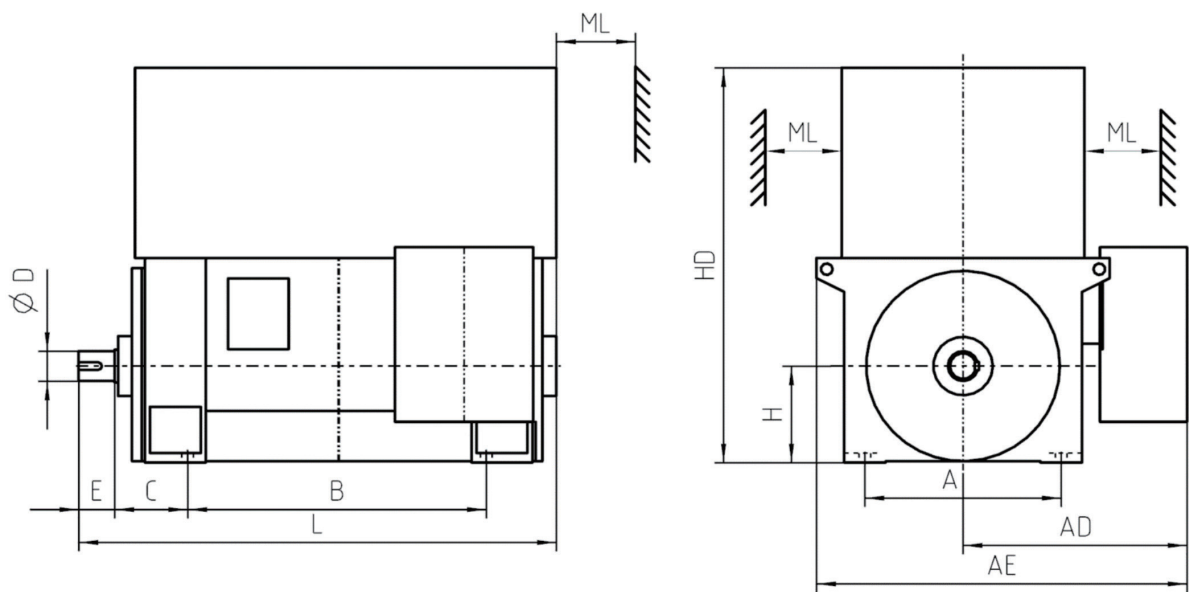


2 极 6 kV 50 Hz IC01

| 订货号<br>Order No.    | Total weight<br>电机总重 | Dimensions<br>尺寸 |      |      |      |     |     |     |     |      |      |     | Dyn. Foundation Loading<br>基础动态负荷 |                        |
|---------------------|----------------------|------------------|------|------|------|-----|-----|-----|-----|------|------|-----|-----------------------------------|------------------------|
|                     |                      | A                | AD   | AE   | B    | C   | D   | H   | E   | HD   | L    | ML  | tension up<br>向上                  | compression down<br>向下 |
|                     | kg                   | mm               |      |      |      |     |     |     |     |      |      |     | kN                                |                        |
| 1QD1 508-2FA60-0HJ2 | 5600                 | 950              | 1185 | 1990 | 1500 | 530 | 120 | 500 | 165 | 1700 | 2720 | 250 | -51.3                             | 106.2                  |
| 1QD1 562-2FA60-0HJ2 | 6150                 | 1060             | 1260 | 2140 | 1400 | 600 | 150 | 560 | 200 | 1870 | 2810 | 300 | -40.7                             | 101.0                  |
| 1QD1 563-2FA60-0CJ2 | 6450                 | 1060             | 1260 | 2140 | 1400 | 600 | 150 | 560 | 200 | 1870 | 2810 | 300 | -46.0                             | 109.3                  |
| 1QD1 564-2FA60-0CJ2 | 6650                 | 1060             | 1260 | 2140 | 1400 | 600 | 150 | 560 | 200 | 1870 | 2810 | 300 | -58.6                             | 123.8                  |
| 1QD1 567-2FA60-0CJ2 | 7400                 | 1060             | 1260 | 2140 | 1600 | 600 | 150 | 560 | 200 | 1870 | 3040 | 300 | -65.4                             | 137.9                  |
| 1QD1 568-2FA60-0HJ2 | 8050                 | 1060             | 1260 | 2140 | 1600 | 600 | 150 | 560 | 200 | 1870 | 3040 | 300 | -86.7                             | 165.6                  |

# 外形及安装尺寸图

## Outline and Installation Dimensions

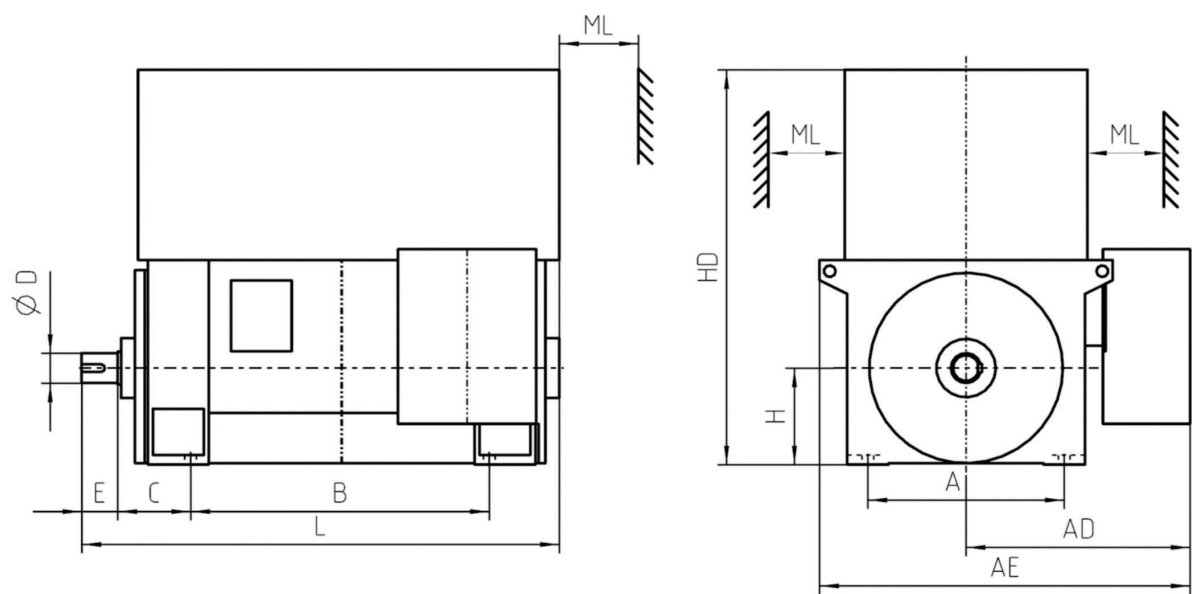


4 极 6 kV 50 Hz IC01

| 订货号<br>Order No.    | Total weight<br>电机总重 | Dimensions<br>尺寸 |      |      |      |     |     |     |     |      |      |     | Dyn. Foundation Loading<br>基础动态负荷 |                        |
|---------------------|----------------------|------------------|------|------|------|-----|-----|-----|-----|------|------|-----|-----------------------------------|------------------------|
|                     |                      | A                | AD   | AE   | B    | C   | D   | H   | E   | HD   | L    | ML  | tension up<br>向上                  | compression down<br>向下 |
|                     | kg                   | mm               |      |      |      |     |     |     |     |      |      |     | kN                                |                        |
| 1QD1 350-4FA60-0AG2 | 2050                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1160 | 1755 | 150 | -27.4                             | 47.6                   |
| 1QD1 352-4FA60-0AG2 | 2100                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1160 | 1755 | 150 | -32.0                             | 52.6                   |
| 1QD1 354-4FA60-0AG2 | 2200                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1160 | 1755 | 150 | -36.4                             | 58.0                   |
| 1QD1 356-4FA60-0AG2 | 2300                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1160 | 1755 | 150 | -41.9                             | 64.4                   |
| 1QD1 358-4FA60-0AG2 | 2400                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1160 | 1755 | 150 | -49.7                             | 73.2                   |
| 1QD1 400-4FA60-0AG2 | 2750                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1245 | 1915 | 150 | -42.6                             | 69.6                   |
| 1QD1 402-4FA60-0AG2 | 2850                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1245 | 1915 | 150 | -44.4                             | 72.4                   |
| 1QD1 404-4FA60-0AG2 | 3000                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1245 | 1915 | 150 | -52.2                             | 81.6                   |
| 1QD1 406-4FA60-0AG2 | 3150                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1245 | 1915 | 150 | -64.7                             | 95.6                   |
| 1QD1 454-4FA60-0JG2 | 3650                 | 850              | 1114 | 1848 | 1180 | 250 | 130 | 450 | 200 | 1480 | 1920 | 200 | -65.8                             | 101.6                  |
| 1QD1 457-4FA60-0JG2 | 4150                 | 850              | 1114 | 1848 | 1400 | 250 | 130 | 450 | 200 | 1480 | 2130 | 200 | -83.7                             | 124.4                  |
| 1QD1 458-4FA60-0JG2 | 4350                 | 850              | 1114 | 1848 | 1400 | 250 | 130 | 450 | 200 | 1480 | 2130 | 200 | -96.9                             | 139.6                  |
| 1QD1 503-4FA60-0JG2 | 4800                 | 950              | 1185 | 1990 | 1320 | 315 | 160 | 500 | 240 | 1700 | 2180 | 250 | -78.8                             | 125.8                  |
| 1QD1 504-4FA60-0JG2 | 5050                 | 950              | 1185 | 1990 | 1320 | 315 | 160 | 500 | 240 | 1700 | 2180 | 250 | -92.4                             | 141.9                  |
| 1QD1 507-4FA60-0JG2 | 5650                 | 950              | 1185 | 1990 | 1500 | 315 | 160 | 500 | 240 | 1700 | 2390 | 250 | -99.9                             | 155.4                  |
| 1QD1 508-4FA60-0JG2 | 5900                 | 950              | 1185 | 1990 | 1500 | 315 | 160 | 500 | 240 | 1700 | 2390 | 250 | -109.1                            | 167                    |
| 1QD1 562-4FA60-0CG2 | 6300                 | 1060             | 1260 | 2140 | 1400 | 335 | 190 | 560 | 280 | 1870 | 2390 | 300 | -100.4                            | 162.1                  |
| 1QD1 563-4FA60-0CG2 | 6500                 | 1060             | 1260 | 2140 | 1400 | 335 | 190 | 560 | 280 | 1870 | 2390 | 300 | -111.9                            | 175.6                  |
| 1QD1 564-4FA60-0HG2 | 7000                 | 1060             | 1260 | 2140 | 1400 | 335 | 190 | 560 | 280 | 1870 | 2390 | 300 | -136.2                            | 204.8                  |
| 1QD1 566-4FA60-0HG2 | 7750                 | 1060             | 1260 | 2140 | 1600 | 335 | 190 | 560 | 280 | 1870 | 2620 | 300 | -162.3                            | 238.3                  |
| 1QD1 567-4FA60-0HG2 | 8250                 | 1060             | 1260 | 2140 | 1600 | 335 | 190 | 560 | 280 | 1870 | 2620 | 300 | -171.6                            | 252.5                  |
| 1QD1 568-4FA60-0CG2 | 8650                 | 1060             | 1260 | 2140 | 1600 | 335 | 190 | 560 | 280 | 1870 | 2620 | 300 | -218.8                            | 303.7                  |

# 外形及安装尺寸图

## Outline and Installation Dimensions

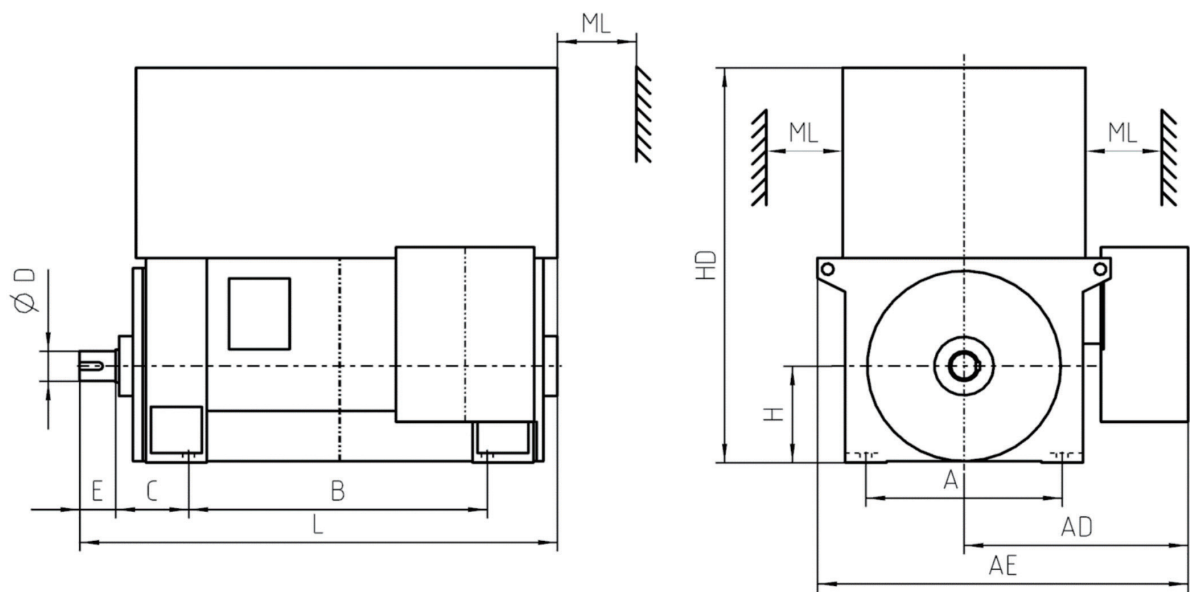


6 极 6 kV 50 Hz IC01

| 订货号<br>Order No.    | Total weight<br>电机总重 | Dimensions<br>尺寸 |      |      |      |     |     |     |     |      |      |     | Dyn. Foundation Loading<br>基础动态负荷 |                        |
|---------------------|----------------------|------------------|------|------|------|-----|-----|-----|-----|------|------|-----|-----------------------------------|------------------------|
|                     |                      | A                | AD   | AE   | B    | C   | D   | H   | E   | HD   | L    | ML  | tension up<br>向上                  | compression down<br>向下 |
|                     | kg                   | mm               |      |      |      |     |     |     |     |      |      |     | kN                                |                        |
| 1QD1 350-6FA60-0AG2 | 2250                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1160 | 1755 | 150 | -32.9                             | 55.0                   |
| 1QD1 352-6FA60-0AG2 | 2350                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1160 | 1755 | 150 | -32.9                             | 56.0                   |
| 1QD1 354-6FA60-0AG2 | 2350                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1160 | 1755 | 150 | -39.2                             | 62.2                   |
| 1QD1 356-6FA60-0AG2 | 2500                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1160 | 1755 | 150 | -47.1                             | 71.6                   |
| 1QD1 400-6FA60-0AG2 | 2800                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1245 | 1915 | 150 | -40.1                             | 67.6                   |
| 1QD1 402-6FA60-0AG2 | 2950                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1245 | 1915 | 150 | -44.7                             | 73.7                   |
| 1QD1 404-6FA60-0AG2 | 3150                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1245 | 1915 | 150 | -73.7                             | 104.6                  |
| 1QD1 406-6FA60-0AG2 | 3300                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1245 | 1915 | 150 | -62.9                             | 95.3                   |
| 1QD1 453-6FA60-0JG2 | 3450                 | 850              | 1114 | 1848 | 1180 | 250 | 130 | 450 | 200 | 1480 | 1920 | 200 | -69.6                             | 103.4                  |
| 1QD1 454-6FA60-0JG2 | 3650                 | 850              | 1114 | 1848 | 1180 | 250 | 130 | 450 | 200 | 1480 | 1920 | 200 | -85.1                             | 120.9                  |
| 1QD1 457-6FA60-0JG2 | 4050                 | 850              | 1114 | 1848 | 1400 | 250 | 130 | 450 | 200 | 1480 | 2130 | 200 | -89.4                             | 129.2                  |
| 1QD1 458-6FA60-0JG2 | 4350                 | 850              | 1114 | 1848 | 1400 | 250 | 130 | 450 | 200 | 1480 | 2130 | 200 | -104.5                            | 147.2                  |
| 1QD1 502-6FA60-0AG2 | 4700                 | 950              | 1185 | 1990 | 1320 | 315 | 160 | 500 | 240 | 1660 | 2180 | 250 | -97.9                             | 144                    |
| 1QD1 503-6FA60-0AG2 | 4950                 | 950              | 1185 | 1990 | 1320 | 315 | 160 | 500 | 240 | 1660 | 2180 | 250 | -108.1                            | 156.7                  |
| 1QD1 504-6FA60-0JG2 | 5200                 | 950              | 1185 | 1990 | 1320 | 315 | 160 | 500 | 240 | 1660 | 2180 | 250 | -126.5                            | 177.5                  |
| 1QD1 507-6FA60-0JG2 | 5800                 | 950              | 1185 | 1990 | 1500 | 315 | 160 | 500 | 240 | 1660 | 2390 | 250 | -145.5                            | 202.4                  |
| 1QD1 562-6FA60-0HG2 | 6850                 | 1060             | 1260 | 2140 | 1400 | 335 | 190 | 560 | 280 | 1880 | 2390 | 300 | -131.8                            | 199                    |
| 1QD1 563-6FA60-0HG2 | 7150                 | 1060             | 1260 | 2140 | 1400 | 335 | 190 | 560 | 280 | 1880 | 2390 | 300 | -149.6                            | 219.8                  |
| 1QD1 564-6FA60-0HG2 | 7500                 | 1060             | 1260 | 2140 | 1400 | 335 | 190 | 560 | 280 | 1880 | 2390 | 300 | -170.1                            | 243.6                  |
| 1QD1 567-6FA60-0HG2 | 8250                 | 1060             | 1260 | 2140 | 1600 | 335 | 190 | 560 | 280 | 1880 | 2620 | 300 | -195.7                            | 276.6                  |
| 1QD1 568-6FA60-0HG2 | 8900                 | 1060             | 1260 | 2140 | 1600 | 335 | 190 | 560 | 280 | 1880 | 2620 | 300 | -225.7                            | 313                    |

# 外形及安装尺寸图

## Outline and Installation Dimensions



8 极 6 kV 50 Hz IC01

| 订货号<br>Order No.    | Total weight<br>电机总重 | Dimensions<br>尺寸 |      |      |      |     |     |     |     |      |      |     | Dyn. Foundation Loading<br>基础动态负荷 |                        |
|---------------------|----------------------|------------------|------|------|------|-----|-----|-----|-----|------|------|-----|-----------------------------------|------------------------|
|                     |                      | A                | AD   | AE   | B    | C   | D   | H   | E   | HD   | L    | ML  | tension up<br>向上                  | compression down<br>向下 |
|                     | kg                   | mm               |      |      |      |     |     |     |     |      |      |     | kN                                |                        |
| 1QD1 350-8FA60-0AG2 | 2200                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1160 | 1755 | 150 | -22.3                             | 43.9                   |
| 1QD1 352-8FA60-0AG2 | 2300                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1160 | 1755 | 150 | -25.8                             | 48.4                   |
| 1QD1 354-8FA60-0AG2 | 2300                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1160 | 1755 | 150 | -32.0                             | 54.6                   |
| 1QD1 356-8FA60-0AG2 | 2400                 | 710              | 730  | 1305 | 1180 | 224 | 95  | 355 | 130 | 1160 | 1755 | 150 | -37.0                             | 60.6                   |
| 1QD1 400-8FA60-0JG2 | 2750                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1245 | 1915 | 150 | -38.0                             | 65.0                   |
| 1QD1 400-8FA60-0AG2 | 2700                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1245 | 1915 | 150 | -37.6                             | 64.0                   |
| 1QD1 402-8FA60-0AG2 | 2800                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1245 | 1915 | 150 | -42.9                             | 70.4                   |
| 1QD1 404-8FA60-0AG2 | 3000                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1245 | 1915 | 150 | -47.4                             | 76.8                   |
| 1QD1 406-8FA60-0AG2 | 3200                 | 800              | 770  | 1400 | 1250 | 250 | 110 | 400 | 165 | 1245 | 1915 | 150 | -54.2                             | 85.6                   |
| 1QD1 452-8FA60-0JG2 | 3450                 | 850              | 1114 | 1848 | 1180 | 250 | 130 | 450 | 200 | 1480 | 1920 | 200 | -44.4                             | 78.3                   |
| 1QD1 453-8FA60-0JG2 | 3650                 | 850              | 1114 | 1848 | 1180 | 250 | 130 | 450 | 200 | 1480 | 1920 | 200 | -52.5                             | 88.3                   |
| 1QD1 454-8FA60-0AG2 | 3900                 | 850              | 1114 | 1848 | 1180 | 250 | 130 | 450 | 200 | 1480 | 1920 | 200 | -56.2                             | 94.5                   |
| 1QD1 457-8FA60-0JG2 | 4350                 | 850              | 1114 | 1848 | 1400 | 250 | 130 | 450 | 200 | 1480 | 2130 | 200 | -73.3                             | 116                    |
| 1QD1 458-8FA60-0JG2 | 4600                 | 850              | 1114 | 1848 | 1400 | 250 | 130 | 450 | 200 | 1480 | 2130 | 200 | -78.5                             | 123.6                  |
| 1QD1 502-8FA60-0AG2 | 4700                 | 950              | 1185 | 1990 | 1320 | 315 | 160 | 500 | 240 | 1660 | 2180 | 250 | -102                              | 148.1                  |
| 1QD1 503-8FA60-0AG2 | 4950                 | 950              | 1185 | 1990 | 1320 | 315 | 160 | 500 | 240 | 1660 | 2180 | 250 | -107.7                            | 156.3                  |
| 1QD1 507-8FA60-0JG2 | 5800                 | 950              | 1185 | 1990 | 1500 | 315 | 160 | 500 | 240 | 1660 | 2390 | 250 | -126.5                            | 183.4                  |
| 1QD1 508-8FA60-0AG2 | 6100                 | 950              | 1185 | 1990 | 1500 | 315 | 160 | 500 | 240 | 1660 | 2390 | 250 | -133.2                            | 193                    |
| 1QD1 563-8FA60-0HG2 | 7000                 | 1060             | 1260 | 2140 | 1400 | 335 | 190 | 560 | 280 | 1880 | 2390 | 300 | -124.4                            | 193                    |
| 1QD1 564-8FA60-0HG2 | 7450                 | 1060             | 1260 | 2140 | 1400 | 335 | 190 | 560 | 280 | 1880 | 2390 | 300 | -146                              | 219                    |
| 1QD1 567-8FA60-0HG2 | 8200                 | 1060             | 1260 | 2140 | 1600 | 335 | 190 | 560 | 280 | 1880 | 2620 | 300 | -176.5                            | 256.9                  |
| 1QD1 568-8FA60-0HG2 | 8750                 | 1060             | 1260 | 2140 | 1600 | 335 | 190 | 560 | 280 | 1880 | 2620 | 300 | -200.1                            | 285.9                  |

# 选型技术数据表 Technical Data

## 2 极 10 kV 50Hz IC01

| 订货号<br>Order No.    | 额定功率<br>Rated power<br>P <sub>N</sub> | 额定转速<br>Rated speed<br>n <sub>N</sub> | 额定电流<br>Rated current<br>I <sub>N</sub> | 效率<br>Efficiency | 功率因数<br>Power factor | 额定转矩<br>Rated torque<br>T <sub>N</sub> | 颠覆转矩<br>Breakdown torque<br>T <sub>max</sub> / T <sub>N</sub> | 堵转转矩<br>Locked-rotor torque<br>T <sub>st</sub> / T <sub>N</sub> | 堵转电流<br>Locked-rotor current<br>I <sub>st</sub> / I <sub>N</sub> | 冷却空气流量<br>Cooling air flow | 转动惯量<br>Moment of Inertia |                                           |
|---------------------|---------------------------------------|---------------------------------------|-----------------------------------------|------------------|----------------------|----------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------------------|----------------------------|---------------------------|-------------------------------------------|
|                     |                                       |                                       |                                         |                  |                      |                                        |                                                               |                                                                 |                                                                  |                            | 转子<br>Rotor               | 最大外拖 <sup>1)</sup><br>External max. perm. |
|                     | kW                                    | r/min                                 | A                                       | %                |                      | Nm                                     |                                                               |                                                                 |                                                                  | m³/s                       | kg m²                     | kg m²                                     |
| 1QD1 350-2FA80-0AG2 | 500                                   | 2966                                  | 35                                      | 94.9             | 0.88                 | 1610                                   | 2.3                                                           | 0.6                                                             | 5.2                                                              | 0.65                       | 3                         | 35                                        |
| 1QD1 352-2FA80-0AG2 | 560                                   | 2967                                  | 39                                      | 95               | 0.88                 | 1802                                   | 2.4                                                           | 0.65                                                            | 5.4                                                              | 0.65                       | 3.5                       | 45                                        |
| 1QD1 354-2FA80-0AG2 | 630                                   | 2967                                  | 43                                      | 95.1             | 0.89                 | 2028                                   | 2.5                                                           | 0.7                                                             | 5.7                                                              | 0.7                        | 3.5                       | 45                                        |
| 1QD1 356-2FA80-0AG2 | 710                                   | 2968                                  | 49                                      | 95.2             | 0.88                 | 2284                                   | 2.7                                                           | 0.75                                                            | 6                                                                | 0.7                        | 4                         | 40                                        |
| 1QD1 400-2FA80-0AG2 | 800                                   | 2974                                  | 55                                      | 95.3             | 0.88                 | 2569                                   | 2.35                                                          | 0.6                                                             | 5.5                                                              | 0.95                       | 6                         | 55                                        |
| 1QD1 402-2FA80-0AG2 | 900                                   | 2972                                  | 61                                      | 95.5             | 0.89                 | 2892                                   | 2.3                                                           | 0.6                                                             | 5.4                                                              | 0.95                       | 6.5                       | 65                                        |
| 1QD1 404-2FA80-0AG2 | 1000                                  | 2973                                  | 68                                      | 95.6             | 0.89                 | 3212                                   | 2.3                                                           | 0.6                                                             | 5.4                                                              | 0.95                       | 7                         | 65                                        |
| 1QD1 406-2FA80-0AG2 | 1120                                  | 2971                                  | 76                                      | 95.7             | 0.89                 | 3600                                   | 2.25                                                          | 0.6                                                             | 5.3                                                              | 0.95                       | 7.5                       | 60                                        |
| 1QD1 408-2FA80-0AG2 | 1250                                  | 2975                                  | 85                                      | 95.9             | 0.89                 | 4012                                   | 2.65                                                          | 0.75                                                            | 6.2                                                              | 1                          | 8                         | 65                                        |
| 1QD1 453-2FA80-0JG2 | 1400                                  | 2978                                  | 95                                      | 96               | 0.89                 | 4493                                   | 2.35                                                          | 0.55                                                            | 5.4                                                              | 2.1                        | 9.9                       | 65                                        |
| 1QD1 454-2FA80-0JG2 | 1600                                  | 2978                                  | 108                                     | 96.1             | 0.89                 | 5131                                   | 2.35                                                          | 0.55                                                            | 5.5                                                              | 2.1                        | 10.6                      | 70                                        |
| 1QD1 457-2FA80-0JG2 | 1800                                  | 2978                                  | 120                                     | 96.3             | 0.9                  | 5777                                   | 2.35                                                          | 0.55                                                            | 5.5                                                              | 2.15                       | 11.5                      | 75                                        |
| 1QD1 458-2FA80-0JG2 | 2000                                  | 2979                                  | 134                                     | 96.4             | 0.9                  | 6416                                   | 2.4                                                           | 0.55                                                            | 5.5                                                              | 2.15                       | 12.7                      | 80                                        |
| 1QD1 504-2FA80-0JG2 | 2240                                  | 2973                                  | 148                                     | 96.5             | 0.9                  | 7197                                   | 2.5                                                           | 0.6                                                             | 5                                                                | 3.35                       | 15.2                      | 84                                        |
| 1QD1 507-2FA80-0JG2 | 2500                                  | 2976                                  | 164                                     | 96.7             | 0.91                 | 8024                                   | 2.7                                                           | 0.55                                                            | 5.5                                                              | 3.55                       | 17.6                      | 94                                        |
| 1QD1 508-2FA80-0JG2 | 2800                                  | 2977                                  | 184                                     | 96.9             | 0.91                 | 8983                                   | 2.8                                                           | 0.55                                                            | 5.8                                                              | 3.5                        | 19.8                      | 98                                        |
| 1QD1 508-2FA80-0CG2 | 3150                                  | 2978                                  | 205                                     | 96.9             | 0.91                 | 10108                                  | 2.4                                                           | 0.55                                                            | 4.9                                                              | 3.5                        | 26.6                      | 168                                       |
| 1QD1 562-2FA80-0HJ2 | 3550                                  | 2983                                  | 235                                     | 96.7             | 0.9                  | 11370                                  | 2.45                                                          | 0.65                                                            | 5.6                                                              | 5.6                        | 41.2                      | 245                                       |
| 1QD1 563-2FA80-0HJ2 | 4000                                  | 2981                                  | 265                                     | 96.8             | 0.9                  | 12817                                  | 2.1                                                           | 0.55                                                            | 4.8                                                              | 5.45                       | 44                        | 270                                       |
| 1QD1 564-2FA80-0HJ2 | 4500                                  | 2983                                  | 295                                     | 96.8             | 0.91                 | 14413                                  | 2.45                                                          | 0.65                                                            | 5.6                                                              | 5.45                       | 47                        | 290                                       |
| 1QD1 567-2FA80-0HJ2 | 5000                                  | 2983                                  | 325                                     | 97               | 0.91                 | 16019                                  | 2.35                                                          | 0.6                                                             | 5.4                                                              | 5.6                        | 51.8                      | 300                                       |
| 1QD1 568-2FA80-0HJ2 | 5600                                  | 2984                                  | 360                                     | 97.2             | 0.92                 | 17929                                  | 2.55                                                          | 0.6                                                             | 5.9                                                              | 5.55                       | 57.8                      | 320                                       |

- <sup>1)</sup> 直接起动时的最大外部转动惯量是基于以下条件：

  - 三次冷起/两次热起（中心高450、500为两次冷起/一次热起）
  - 起动电压不小于 0.9 倍额定电压 U<sub>N</sub>
  - 负载转矩与转速成平方关系
  - 额定速度时负载阻转矩不应超过额定转矩 T<sub>N</sub> 的 60%
- <sup>1)</sup> The maximum external moment of inertia for direct online starting is based on the following conditions:

  - Three starts from cold or two starts from warm (SH450,500 is two starts from cold or one starts from warm)
  - The starting voltage is not less than 0.9 x rated voltage U<sub>N</sub>
  - The load torque increases approximately according to a square- law with the speed
  - The load torque at rated speed should not exceed 60 %

上述电气参数为典型值，具体保证值可根据需求提供。

The electrical parameters listed above are typical values. The guaranteed values can be provided on request.

# 选型技术数据表 Technical Data

## 4 极 10 kV 50 Hz IC01

| 订货号<br>Order No.    | 额定功率<br>Rated power<br>$P_N$ | 额定转速<br>Rated speed<br>$n_N$ | 额定电流<br>Rated current<br>$I_N$ | 效率<br>Efficiency | 功率因数<br>Power factor | 额定转矩<br>Rated torque<br>$T_N$ | 颠覆转矩<br>Breakdown torque<br>$T_{max} / T_N$ | 堵转转矩<br>Locked-rotor torque<br>$T_{st} / T_N$ | 堵转电流<br>Locked-rotor current<br>$I_{st} / I_N$ | 冷却空气流量<br>Cooling air flow | 转动惯量<br>Moment of Inertia |                                           |
|---------------------|------------------------------|------------------------------|--------------------------------|------------------|----------------------|-------------------------------|---------------------------------------------|-----------------------------------------------|------------------------------------------------|----------------------------|---------------------------|-------------------------------------------|
|                     |                              |                              |                                |                  |                      |                               |                                             |                                               |                                                |                            | 转子<br>Rotor               | 最大外拖 <sup>1)</sup><br>External max. perm. |
|                     | kW                           | r/min                        | A                              | %                |                      | Nm                            |                                             |                                               |                                                | m³/s                       | kg m²                     | kg m²                                     |
| 1QD1 350-4FA80-0AG2 | 500                          | 1486                         | 38                             | 94.7             | 0.81                 | 3213                          | 2.75                                        | 0.9                                           | 5.7                                            | 0.85                       | 5.4                       | 175                                       |
| 1QD1 352-4FA80-0AG2 | 560                          | 1485                         | 42                             | 94.8             | 0.82                 | 3601                          | 2.75                                        | 0.95                                          | 5.8                                            | 0.85                       | 6                         | 115                                       |
| 1QD1 354-4FA80-0AG2 | 630                          | 1486                         | 48                             | 95               | 0.8                  | 4048                          | 2.8                                         | 1                                             | 5.9                                            | 0.9                        | 6.5                       | 135                                       |
| 1QD1 356-4FA80-0AG2 | 710                          | 1485                         | 52                             | 95.4             | 0.82                 | 4566                          | 2.85                                        | 1.05                                          | 6.1                                            | 0.9                        | 7.2                       | 130                                       |
| 1QD1 358-4FA80-0AG2 | 800                          | 1485                         | 58                             | 95.5             | 0.83                 | 5144                          | 2.7                                         | 1.05                                          | 6.2                                            | 0.95                       | 7.9                       | 150                                       |
| 1QD1 400-4FA80-0AG2 | 900                          | 1485                         | 64                             | 95.6             | 0.85                 | 5787                          | 2.3                                         | 0.75                                          | 5.3                                            | 1.05                       | 11.3                      | 325                                       |
| 1QD1 402-4FA80-0AG2 | 1000                         | 1485                         | 72                             | 95.7             | 0.84                 | 6431                          | 2.3                                         | 0.75                                          | 5.3                                            | 1.05                       | 12.1                      | 330                                       |
| 1QD1 404-4FA80-0AG2 | 1120                         | 1485                         | 79                             | 95.8             | 0.85                 | 7202                          | 2.3                                         | 0.85                                          | 5.4                                            | 1.1                        | 13.5                      | 240                                       |
| 1QD1 406-4FA80-0AG2 | 1250                         | 1485                         | 87                             | 96               | 0.86                 | 8038                          | 2.3                                         | 0.85                                          | 5.4                                            | 1.1                        | 14.8                      | 335                                       |
| 1QD1 454-4FA80-0JG2 | 1400                         | 1485                         | 95                             | 96.1             | 0.89                 | 9006                          | 2.65                                        | 0.75                                          | 6                                              | 1.55                       | 18.6                      | 405                                       |
| 1QD1 457-4FA80-0JG2 | 1600                         | 1486                         | 108                            | 96.3             | 0.89                 | 10285                         | 2.8                                         | 0.8                                           | 6.5                                            | 1.55                       | 22.2                      | 500                                       |
| 1QD1 458-4FA80-0JG2 | 1800                         | 1487                         | 122                            | 96.4             | 0.89                 | 11565                         | 3                                           | 0.9                                           | 6.5                                            | 1.55                       | 24.3                      | 540                                       |
| 1QD1 503-4FA80-0JG2 | 2000                         | 1487                         | 132                            | 96.6             | 0.9                  | 12852                         | 2.45                                        | 0.85                                          | 5.6                                            | 2.5                        | 37                        | 625                                       |
| 1QD1 504-4FA80-0JG2 | 2240                         | 1486                         | 148                            | 96.7             | 0.9                  | 14404                         | 2.4                                         | 0.85                                          | 5.5                                            | 2.45                       | 40.5                      | 675                                       |
| 1QD1 507-4FA80-0JG2 | 2500                         | 1486                         | 164                            | 96.7             | 0.91                 | 16068                         | 2.4                                         | 0.9                                           | 5.4                                            | 2.55                       | 45.5                      | 755                                       |
| 1QD1 508-4FA80-0JG2 | 2800                         | 1486                         | 186                            | 96.8             | 0.9                  | 18005                         | 2.45                                        | 0.9                                           | 5.6                                            | 2.5                        | 50.5                      | 815                                       |
| 1QD1 508-4FA80-0CG2 | 3150                         | 1490                         | 210                            | 97               | 0.9                  | 20200                         | 2.6                                         | 0.7                                           | 5.5                                            | 2.5                        | 62.5                      | 905                                       |
| 1QD1 563-4FA80-0CG2 | 3550                         | 1490                         | 238                            | 96.9             | 0.89                 | 22752                         | 2.05                                        | 0.6                                           | 5                                              | 4.1                        | 164.9                     | 725                                       |
| 1QD1 564-4FA80-0HG2 | 4000                         | 1492                         | 267                            | 97.1             | 0.89                 | 25601                         | 2.25                                        | 0.6                                           | 5.5                                            | 4.05                       | 185                       | 835                                       |
| 1QD1 566-4FA80-0HG2 | 4500                         | 1492                         | 300                            | 97.2             | 0.89                 | 28801                         | 2.3                                         | 0.65                                          | 5.6                                            | 4.15                       | 204.2                     | 885                                       |
| 1QD1 567-4FA80-0HG2 | 5000                         | 1492                         | 330                            | 97.3             | 0.9                  | 32002                         | 2.3                                         | 0.7                                           | 5.6                                            | 4.2                        | 224.9                     | 935                                       |
| 1QD1 568-4FA80-0CG2 | 5600                         | 1492                         | 369                            | 97.4             | 0.9                  | 35842                         | 2.45                                        | 0.75                                          | 6                                              | 4.2                        | 243.9                     | 940                                       |

<sup>1)</sup> 直接起动时的最大外部转动惯量是基于以下条件：

- 三次冷起/两次热起
- 起动电压不小于 0.9 倍额定电压  $U_N$
- 负载转矩与转速成平方关系
- 一额定速度时负载阻转矩不应超过额定转矩  $T_N$  的 90%

上述电气参数为典型值，具体保证值可根据需求提供

<sup>1)</sup> The maximum external moment of inertia for direct online starting is based on the following conditions:

- Three starts from cold or two starts from warm
- The starting voltage is not less than 0.9 x rated voltage  $U_N$
- The load torque increases approximately according to a square- law with the speed
- The load torque at rated speed should not exceed 90% rated torque  $T_N$

The electrical parameters listed above are typical values. The guaranteed values can be provided on request



# 选型技术数据表 Technical Data

## 6 极 10 kV 50 Hz IC01

| 订货号<br>Order No.    | 额定<br>功率<br>Rated<br>power<br>$P_N$ | 额定<br>转速<br>Rated<br>speed<br>$n_N$ | 额定<br>电流<br>Rated<br>current<br>$I_N$ | 效率<br>Efficiency | 功率<br>因数<br>Power<br>factor | 额定<br>转矩<br>Rated<br>torque<br>$T_N$ | 颠覆转矩<br>Breakdown<br>torque<br>$T_{max} / T_N$ | 堵转转矩<br>Locked-rotor<br>torque<br>$T_{st} / T_N$ | 堵转电流<br>Locked-rotor<br>current<br>$I_{st} / I_N$ | 冷却<br>空气流量<br>Cooling air<br>flow | 转动惯量<br>Moment of Inertia |                                              |
|---------------------|-------------------------------------|-------------------------------------|---------------------------------------|------------------|-----------------------------|--------------------------------------|------------------------------------------------|--------------------------------------------------|---------------------------------------------------|-----------------------------------|---------------------------|----------------------------------------------|
|                     |                                     |                                     |                                       |                  |                             |                                      |                                                |                                                  |                                                   |                                   | 转子<br>Rotor               | 最大外拖 <sup>1)</sup><br>External max.<br>perm. |
|                     | kW                                  | r/min                               | A                                     | %                |                             | Nm                                   |                                                |                                                  |                                                   | m³/s                              | kg m²                     | kg m²                                        |
| 1QD1 350-6FA80-0AG2 | 355                                 | 985                                 | 26                                    | 94.3             | 0.84                        | 3442                                 | 2.15                                           | 0.95                                             | 5.3                                               | 0.6                               | 7                         | 280                                          |
| 1QD1 352-6FA80-0AG2 | 400                                 | 985                                 | 29                                    | 94.4             | 0.84                        | 3878                                 | 2.2                                            | 0.95                                             | 5.4                                               | 0.65                              | 8                         | 290                                          |
| 1QD1 354-6FA80-0AG2 | 450                                 | 985                                 | 33                                    | 94.6             | 0.84                        | 4363                                 | 2.25                                           | 1.05                                             | 5.5                                               | 0.65                              | 8                         | 320                                          |
| 1QD1 356-6FA80-0AG2 | 500                                 | 986                                 | 37                                    | 94.6             | 0.83                        | 4842                                 | 2.4                                            | 1.1                                              | 5.5                                               | 0.65                              | 9                         | 315                                          |
| 1QD1 400-6FA80-0AG2 | 560                                 | 989                                 | 41                                    | 94.8             | 0.83                        | 5407                                 | 2                                              | 0.75                                             | 5.1                                               | 0.85                              | 13                        | 230                                          |
| 1QD1 402-6FA80-0AG2 | 630                                 | 990                                 | 46                                    | 95.1             | 0.83                        | 6077                                 | 2.25                                           | 0.85                                             | 5.5                                               | 0.9                               | 14                        | 240                                          |
| 1QD1 404-6FA80-0AG2 | 710                                 | 989                                 | 51                                    | 95.2             | 0.84                        | 6855                                 | 2                                              | 0.8                                              | 5.2                                               | 0.9                               | 16                        | 315                                          |
| 1QD1 406-6FA80-0AG2 | 800                                 | 991                                 | 59                                    | 95.4             | 0.82                        | 7709                                 | 2.45                                           | 1                                                | 5.5                                               | 0.9                               | 18                        | 280                                          |
| 1QD1 452-6FA80-0JG2 | 900                                 | 991                                 | 65                                    | 95.4             | 0.84                        | 8674                                 | 2.6                                            | 0.8                                              | 5.7                                               | 1.15                              | 20.3                      | 675                                          |
| 1QD1 453-6FA80-0JG2 | 1000                                | 991                                 | 71                                    | 95.5             | 0.85                        | 9639                                 | 2.6                                            | 0.8                                              | 5.7                                               | 1.2                               | 22.2                      | 760                                          |
| 1QD1 454-6FA80-0JG2 | 1120                                | 991                                 | 79                                    | 95.7             | 0.85                        | 10797                                | 2.6                                            | 0.8                                              | 5.7                                               | 1.25                              | 24.5                      | 840                                          |
| 1QD1 457-6FA80-0JG2 | 1250                                | 991                                 | 88                                    | 95.9             | 0.86                        | 12050                                | 2.6                                            | 0.85                                             | 5.8                                               | 1.3                               | 27.5                      | 880                                          |
| 1QD1 458-6FA80-0JG2 | 1400                                | 991                                 | 98                                    | 96.1             | 0.86                        | 13493                                | 2.65                                           | 0.85                                             | 5.8                                               | 1.3                               | 31.2                      | 950                                          |
| 1QD1 503-6FA80-0JG2 | 1600                                | 992                                 | 112                                   | 96.3             | 0.86                        | 15402                                | 2.45                                           | 1                                                | 5.3                                               | 1.85                              | 46.5                      | 1260                                         |
| 1QD1 503-6FA80-0AG2 | 1800                                | 990                                 | 126                                   | 96.2             | 0.86                        | 17362                                | 2.15                                           | 0.9                                              | 4.7                                               | 1.85                              | 46.5                      | 840                                          |
| 1QD1 507-6FA80-0JG2 | 2000                                | 992                                 | 138                                   | 96.6             | 0.86                        | 19253                                | 2.5                                            | 1                                                | 5.5                                               | 1.9                               | 57.5                      | 1850                                         |
| 1QD1 508-6FA80-0JG2 | 2240                                | 992                                 | 156                                   | 96.7             | 0.86                        | 21563                                | 2.6                                            | 1                                                | 5.7                                               | 1.8                               | 63                        | 2090                                         |
| 1QD1 508-6FA80-0CG2 | 2500                                | 993                                 | 174                                   | 96.7             | 0.86                        | 24042                                | 2.45                                           | 0.8                                              | 5                                                 | 1.9                               | 81                        | 1980                                         |
| 1QD1 562-6FA80-0HG2 | 2800                                | 993                                 | 194                                   | 96.5             | 0.86                        | 26927                                | 2                                              | 0.6                                              | 5.5                                               | 2.65                              | 105.3                     | 1870                                         |
| 1QD1 563-6FA80-0HG2 | 3150                                | 993                                 | 220                                   | 96.6             | 0.86                        | 30292                                | 2                                              | 0.6                                              | 5.5                                               | 2.7                               | 113.1                     | 1935                                         |
| 1QD1 564-6FA80-0CG2 | 3550                                | 992                                 | 245                                   | 96.7             | 0.86                        | 34173                                | 2                                              | 0.6                                              | 5.5                                               | 2.75                              | 123.5                     | 2015                                         |
| 1QD1 568-6FA80-0HG2 | 4000                                | 993                                 | 275                                   | 97               | 0.87                        | 38466                                | 2                                              | 0.6                                              | 5.5                                               | 2.8                               | 150.6                     | 3095                                         |

<sup>1)</sup> 直接起动时的最大外部转动惯量是基于以下条件：

- 三次冷起/两次热起
- 起动电压不小于 0.9 倍额定电压  $U_N$
- 负载转矩与转速成平方关系
- 一额定速度时负载阻转矩不应超过额定转矩  $T_N$  的 90%

上述电气参数为典型值，具体保证值可根据需求提供

<sup>1)</sup> The maximum external moment of inertia for direct online starting is based on the following conditions:

- Three starts from cold or two starts from warm
- The starting voltage is not less than 0.9 x rated voltage  $U_N$
- The load torque increases approximately according to a square- law with the speed
- The load torque at rated speed should not exceed 90% rated torque  $T_N$

The electrical parameters listed above are typical values. The guaranteed values can be provided on request

# 选型技术数据表 Technical Data

## 8 极 10 kV 50 Hz IC01

| 订货号<br>Order No.    | 额定<br>功率<br>Rated<br>power<br>$P_N$ | 额定<br>转速<br>Rated<br>speed<br>$n_N$ | 额定<br>电流<br>Rated<br>current<br>$I_N$ | 效率<br>Efficiency | 功率<br>因数<br>Power<br>factor | 额定<br>转矩<br>Rated<br>torque<br>$T_N$ | 颠覆转矩<br>Breakdown<br>torque<br>$T_{max} / T_N$ | 堵转转矩<br>Locked-rotor<br>torque<br>$T_{st} / T_N$ | 堵转电流<br>Locked-rotor<br>current<br>$I_{st} / I_N$ | 冷却<br>空气流量<br>Cooling air<br>flow | 转动惯量<br>Moment of Inertia |                                              |
|---------------------|-------------------------------------|-------------------------------------|---------------------------------------|------------------|-----------------------------|--------------------------------------|------------------------------------------------|--------------------------------------------------|---------------------------------------------------|-----------------------------------|---------------------------|----------------------------------------------|
|                     |                                     |                                     |                                       |                  |                             |                                      |                                                |                                                  |                                                   |                                   | 转子<br>Rotor               | 最大外拖 <sup>1)</sup><br>External max.<br>perm. |
|                     | kW                                  | r/min                               | A                                     | %                |                             | Nm                                   |                                                |                                                  |                                                   | m³/s                              | kg m²                     | kg m²                                        |
| 1QD1 400-8FA80-0JG2 | 355                                 | 744                                 | 28                                    | 93.7             | 0.78                        | 4556                                 | 2.55                                           | 0.85                                             | 5.3                                               | 0.65                              | 12                        | 440                                          |
| 1QD1 400-8FA80-0AG2 | 400                                 | 744                                 | 32                                    | 93.8             | 0.77                        | 5134                                 | 2.6                                            | 0.9                                              | 5.3                                               | 0.65                              | 12                        | 430                                          |
| 1QD1 402-8FA80-0AG2 | 450                                 | 744                                 | 35                                    | 94               | 0.78                        | 5776                                 | 2.3                                            | 0.75                                             | 4.9                                               | 0.65                              | 13.5                      | 520                                          |
| 1QD1 404-8FA80-0AG2 | 500                                 | 744                                 | 38                                    | 94.4             | 0.8                         | 6418                                 | 2.15                                           | 0.75                                             | 4.6                                               | 0.7                               | 15                        | 540                                          |
| 1QD1 406-8FA80-0AG2 | 560                                 | 745                                 | 44                                    | 94.6             | 0.77                        | 7178                                 | 2.7                                            | 0.9                                              | 5.4                                               | 0.7                               | 17                        | 800                                          |
| 1QD1 451-8FA80-0JG2 | 630                                 | 742                                 | 48.5                                  | 94.9             | 0.79                        | 8107                                 | 2.2                                            | 0.75                                             | 5.3                                               | 0.9                               | 22.7                      | 720                                          |
| 1QD1 452-8FA80-0JG2 | 710                                 | 742                                 | 54                                    | 95               | 0.8                         | 9145                                 | 2.2                                            | 0.75                                             | 5.3                                               | 0.9                               | 24.8                      | 970                                          |
| 1QD1 453-8FA80-0JG2 | 800                                 | 742                                 | 61                                    | 95.2             | 0.79                        | 10290                                | 2.4                                            | 0.8                                              | 5.3                                               | 0.95                              | 27.8                      | 1240                                         |
| 1QD1 454-8FA80-0JG2 | 900                                 | 742                                 | 68                                    | 95.3             | 0.8                         | 11586                                | 2.3                                            | 0.8                                              | 5.3                                               | 0.95                              | 31.3                      | 1370                                         |
| 1QD1 457-8FA80-0JG2 | 1000                                | 742                                 | 75                                    | 95.5             | 0.81                        | 12877                                | 2.3                                            | 0.8                                              | 5.3                                               | 1                                 | 35.2                      | 1400                                         |
| 1QD1 458-8FA80-0AG2 | 1120                                | 742                                 | 84                                    | 95.6             | 0.81                        | 14424                                | 2.3                                            | 0.8                                              | 5.3                                               | 1                                 | 39                        | 1440                                         |
| 1QD1 502-8FA80-0AG2 | 1250                                | 742                                 | 91                                    | 95.8             | 0.83                        | 16087                                | 1.9                                            | 0.7                                              | 3.9                                               | 1.2                               | 46                        | 1310                                         |
| 1QD1 504-8FA80-0JG2 | 1400                                | 744                                 | 102                                   | 96.2             | 0.82                        | 17969                                | 2.3                                            | 0.85                                             | 4.7                                               | 1.25                              | 56                        | 2870                                         |
| 1QD1 507-8FA80-0JG2 | 1600                                | 744                                 | 116                                   | 96.3             | 0.82                        | 20536                                | 2.35                                           | 0.85                                             | 4.7                                               | 1.3                               | 63                        | 3470                                         |
| 1QD1 508-8FA80-0JG2 | 1800                                | 744                                 | 134                                   | 96.3             | 0.81                        | 23103                                | 2.5                                            | 0.95                                             | 5                                                 | 1.3                               | 69                        | 3350                                         |
| 1QD1 562-8FA80-0HG2 | 2000                                | 744                                 | 144                                   | 96.1             | 0.83                        | 25670                                | 2.1                                            | 0.55                                             | 4.6                                               | 1.9                               | 115                       | 3045                                         |
| 1QD1 563-8FA80-0HG2 | 2240                                | 744                                 | 162                                   | 96.2             | 0.83                        | 28751                                | 2.1                                            | 0.6                                              | 4.6                                               | 1.95                              | 123.6                     | 3165                                         |
| 1QD1 564-8FA80-0HG2 | 2500                                | 744                                 | 180                                   | 96.4             | 0.83                        | 32088                                | 2.1                                            | 0.6                                              | 4.6                                               | 2                                 | 136.6                     | 4770                                         |
| 1QD1 567-8FA80-0HG2 | 2800                                | 744                                 | 200                                   | 96.5             | 0.83                        | 35938                                | 2.15                                           | 0.6                                              | 4.7                                               | 2                                 | 150.3                     | 5980                                         |
| 1QD1 568-8FA80-0CG2 | 3150                                | 744                                 | 225                                   | 96.6             | 0.83                        | 40430                                | 2.1                                            | 0.6                                              | 4.6                                               | 2.05                              | 164.6                     | 6250                                         |

- <sup>1)</sup> 直接起动时的最大外部转动惯量是基于以下条件：

  - 三次冷起/两次热起
  - 起动电压不小于 0.9 倍额定电压  $U_N$
  - 负载转矩与转速成平方关系
  - 一额定速度时负载阻转矩不应超过额定转矩  $T_N$  的 90%
- <sup>1)</sup> The maximum external moment of inertia for direct online starting is based on the following conditions:

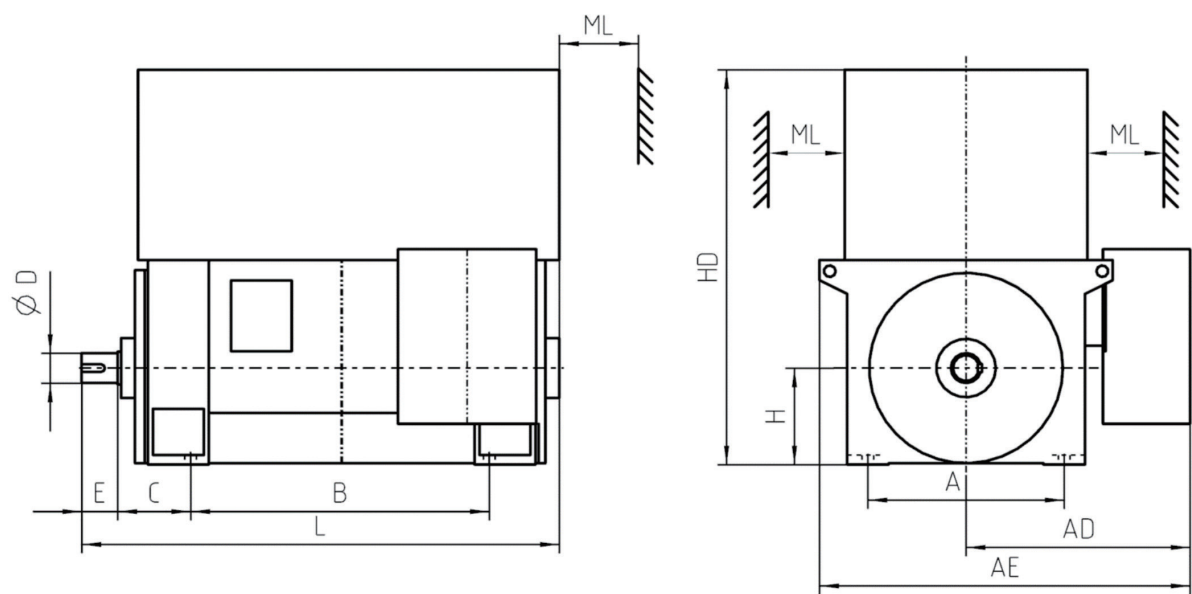
  - Three starts from cold or two starts from warm
  - The starting voltage is not less than 0.9 x rated voltage  $U_N$
  - The load torque increases approximately according to a square- law with the speed
  - The load torque at rated speed should not exceed 90% rated torque  $T_N$

上述电气参数为典型值，具体保证值可根据需求提供

The electrical parameters listed above are typical values. The guaranteed values can be provided on request

# 外形及安装尺寸图

## Outline and Installation Dimensions

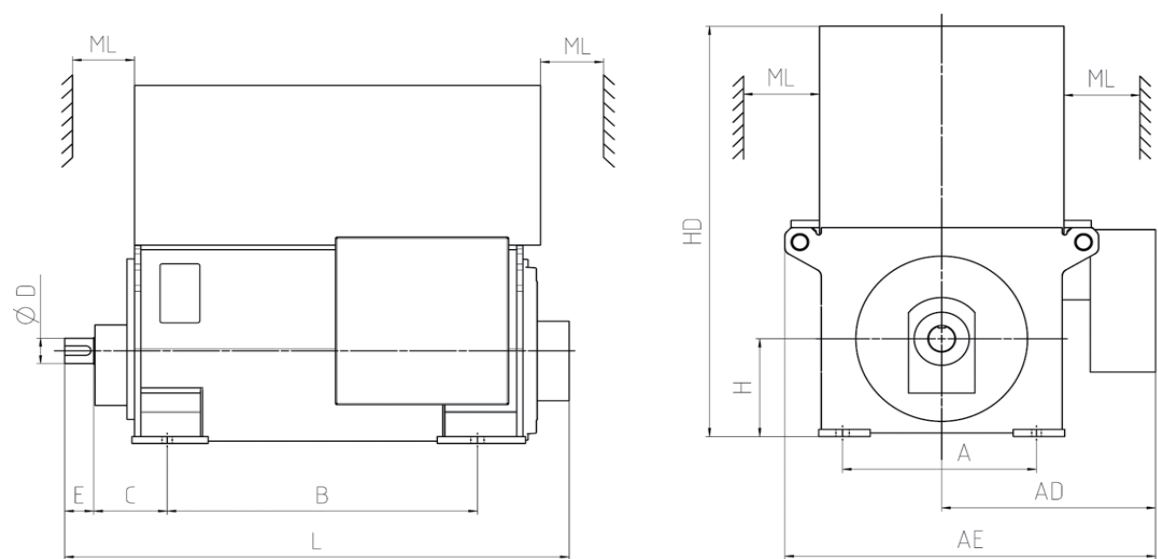


2 极 10 kV 50 Hz IC01

| 订货号<br>Order No.    | Total weight<br>电机总重 | Dimensions<br>尺寸 |      |      |      |     |     |     |     |      |      |     | Dyn. Foundation Loading<br>基础动态负荷 |                        |
|---------------------|----------------------|------------------|------|------|------|-----|-----|-----|-----|------|------|-----|-----------------------------------|------------------------|
|                     |                      | A                | AD   | AE   | B    | C   | D   | H   | E   | HD   | L    | ML  | tension up<br>向上                  | compression down<br>向下 |
|                     | kg                   | mm               |      |      |      |     |     |     |     |      |      |     | kN                                |                        |
| 1QD1 350-2FA80-0AG2 | 1950                 | 710              | 840  | 1415 | 1180 | 224 | 85  | 355 | 130 | 1160 | 1755 | 150 | -5.2                              | 24.4                   |
| 1QD1 352-2FA80-0AG2 | 2050                 | 710              | 840  | 1415 | 1180 | 224 | 85  | 355 | 130 | 1160 | 1755 | 150 | -7.1                              | 27.2                   |
| 1QD1 354-2FA80-0AG2 | 2100                 | 710              | 840  | 1415 | 1180 | 224 | 85  | 355 | 130 | 1160 | 1755 | 150 | -9.9                              | 30.5                   |
| 1QD1 356-2FA80-0AG2 | 2150                 | 710              | 840  | 1415 | 1180 | 224 | 85  | 355 | 130 | 1160 | 1755 | 150 | -10.6                             | 31.7                   |
| 1QD1 400-2FA80-0AG2 | 2550                 | 800              | 880  | 1510 | 1250 | 250 | 85  | 400 | 130 | 1245 | 1880 | 150 | -9.2                              | 34.2                   |
| 1QD1 402-2FA80-0AG2 | 2650                 | 800              | 880  | 1510 | 1250 | 250 | 85  | 400 | 130 | 1245 | 1880 | 150 | -10.7                             | 36.7                   |
| 1QD1 404-2FA80-0AG2 | 2750                 | 800              | 880  | 1510 | 1250 | 250 | 85  | 400 | 130 | 1245 | 1880 | 150 | -13.1                             | 40.0                   |
| 1QD1 406-2FA80-0AG2 | 2850                 | 800              | 880  | 1510 | 1250 | 250 | 85  | 400 | 130 | 1245 | 1880 | 150 | -14.6                             | 42.6                   |
| 1QD1 408-2FA80-0AG2 | 2900                 | 800              | 880  | 1510 | 1250 | 250 | 85  | 400 | 130 | 1245 | 1880 | 150 | -24.5                             | 53.0                   |
| 1QD1 453-2FA80-0JG2 | 3400                 | 850              | 1224 | 1958 | 1180 | 250 | 95  | 450 | 130 | 1490 | 1840 | 200 | -19.4                             | 52.8                   |
| 1QD1 454-2FA80-0JG2 | 3500                 | 850              | 1224 | 1958 | 1180 | 250 | 95  | 450 | 130 | 1490 | 1840 | 200 | -27                               | 61.3                   |
| 1QD1 457-2FA80-0JG2 | 3850                 | 850              | 1224 | 1958 | 1400 | 250 | 95  | 450 | 130 | 1490 | 2050 | 200 | -27.7                             | 65.4                   |
| 1QD1 458-2FA80-0JG2 | 4050                 | 850              | 1224 | 1958 | 1400 | 250 | 95  | 450 | 130 | 1490 | 2050 | 200 | -34.6                             | 74.3                   |
| 1QD1 504-2FA80-0JG2 | 4550                 | 950              | 1295 | 2100 | 1320 | 250 | 110 | 500 | 165 | 1700 | 1960 | 250 | -29.1                             | 73.7                   |
| 1QD1 507-2FA80-0JG2 | 5050                 | 950              | 1295 | 2100 | 1500 | 250 | 110 | 500 | 165 | 1700 | 2170 | 250 | -37.8                             | 87.3                   |
| 1QD1 508-2FA80-0JG2 | 5450                 | 950              | 1295 | 2100 | 1500 | 250 | 110 | 500 | 165 | 1700 | 2170 | 250 | -47.3                             | 100.7                  |

# 外形及安装尺寸图

## Outline and Installation Dimensions

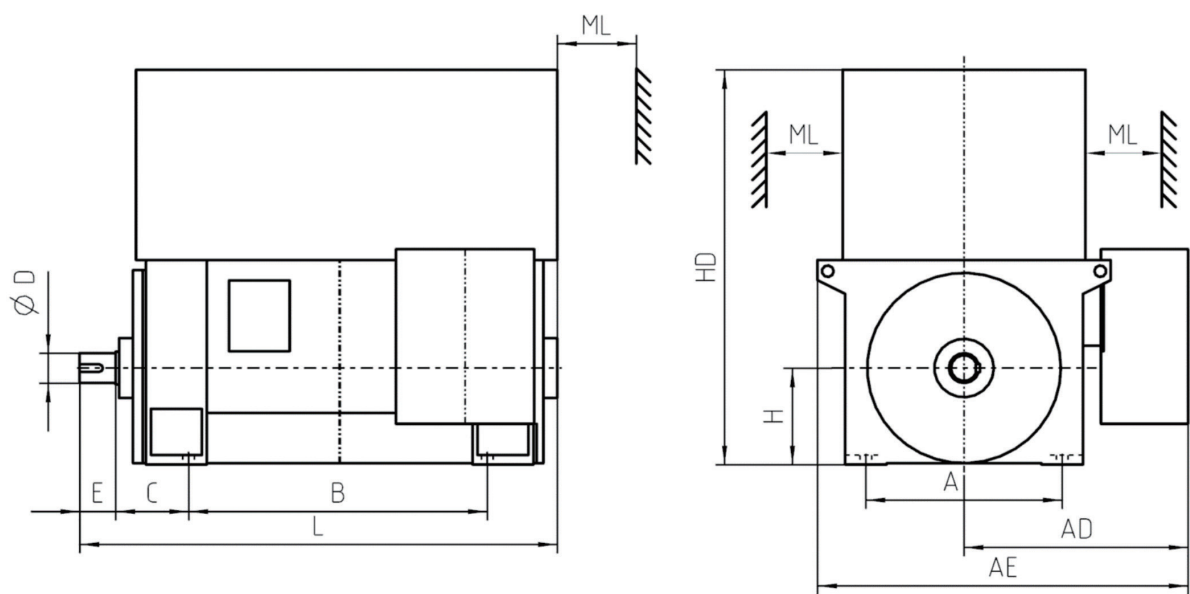


2 极 10 kV 50 Hz IC01

| 订货号<br>Order No.    | Total weight<br>电机总重 | Dimensions<br>尺寸 |      |      |      |     |     |     |     |      |      |     | Dyn. Foundation Loading<br>基础动态负荷 |                        |
|---------------------|----------------------|------------------|------|------|------|-----|-----|-----|-----|------|------|-----|-----------------------------------|------------------------|
|                     |                      | A                | AD   | AE   | B    | C   | D   | H   | E   | HD   | L    | ML  | tension up<br>向上                  | compression down<br>向下 |
|                     | kg                   | mm               |      |      |      |     |     |     |     |      |      |     | kN                                |                        |
| 1QD1 508-2FA80-0CJ2 | 5550                 | 950              | 1295 | 2100 | 1500 | 530 | 120 | 500 | 165 | 1700 | 2720 | 250 | -42.8                             | 97.3                   |
| 1QD1 562-2FA80-0HJ2 | 6100                 | 1060             | 1370 | 2250 | 1400 | 600 | 150 | 560 | 200 | 1870 | 2810 | 300 | -46.0                             | 105.9                  |
| 1QD1 563-2FA80-0HJ2 | 6400                 | 1060             | 1370 | 2250 | 1400 | 600 | 150 | 560 | 200 | 1870 | 2810 | 300 | -42.5                             | 105.3                  |
| 1QD1 564-2FA80-0HJ2 | 6650                 | 1060             | 1370 | 2250 | 1400 | 600 | 150 | 560 | 200 | 1870 | 2810 | 300 | -64.1                             | 129.3                  |
| 1QD1 567-2FA80-0HJ2 | 7400                 | 1060             | 1370 | 2250 | 1600 | 600 | 150 | 560 | 200 | 1870 | 3040 | 300 | -67.1                             | 139.6                  |
| 1QD1 568-2FA80-0HJ2 | 7950                 | 1060             | 1370 | 2250 | 1600 | 600 | 150 | 560 | 200 | 1870 | 3040 | 300 | -86.4                             | 164.4                  |

# 外形及安装尺寸图

## Outline and Installation Dimensions

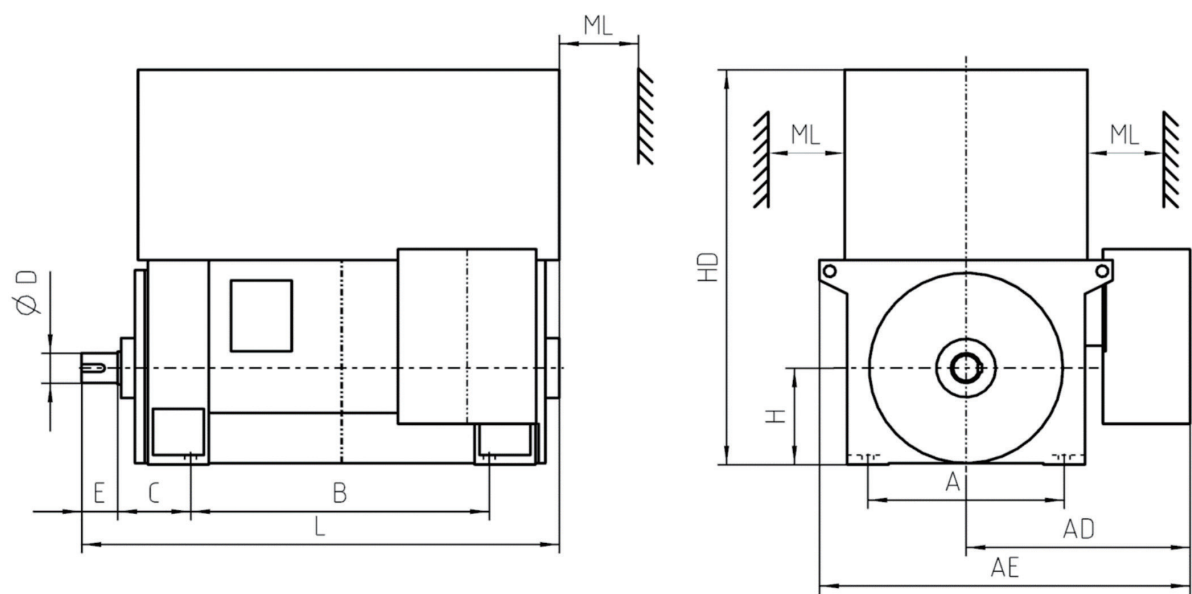


4 极 10 kV 50 Hz IC01

| 订货号<br>Order No.    | Total weight<br>电机总重 | Dimensions<br>尺寸 |      |      |      |     |     |     |     |      |      |     | Dyn. Foundation Loading<br>基础动态负荷 |                        |
|---------------------|----------------------|------------------|------|------|------|-----|-----|-----|-----|------|------|-----|-----------------------------------|------------------------|
|                     |                      | A                | AD   | AE   | B    | C   | D   | H   | E   | HD   | L    | ML  | tension up<br>向上                  | compression down<br>向下 |
|                     | kg                   | mm               |      |      |      |     |     |     |     |      |      |     | kN                                |                        |
| 1QD1 350-4FA80-0AG2 | 2050                 | 710              | 840  | 1415 | 1180 | 224 | 95  | 355 | 130 | 1160 | 1755 | 150 | -26.7                             | 46.9                   |
| 1QD1 352-4FA80-0AG2 | 2100                 | 710              | 840  | 1415 | 1180 | 224 | 95  | 355 | 130 | 1160 | 1755 | 150 | -31.8                             | 52.4                   |
| 1QD1 354-4FA80-0AG2 | 2200                 | 710              | 840  | 1415 | 1180 | 224 | 95  | 355 | 130 | 1160 | 1755 | 150 | -38.1                             | 59.7                   |
| 1QD1 356-4FA80-0AG2 | 2300                 | 710              | 840  | 1415 | 1180 | 224 | 95  | 355 | 130 | 1160 | 1755 | 150 | -45.0                             | 67.6                   |
| 1QD1 358-4FA80-0AG2 | 2400                 | 710              | 840  | 1415 | 1180 | 224 | 95  | 355 | 130 | 1160 | 1755 | 150 | -48.3                             | 71.8                   |
| 1QD1 400-4FA80-0AG2 | 2700                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1245 | 1915 | 150 | -38.0                             | 64.5                   |
| 1QD1 402-4FA80-0AG2 | 2800                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1245 | 1915 | 150 | -43.9                             | 71.3                   |
| 1QD1 404-4FA80-0AG2 | 2950                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1245 | 1915 | 150 | -50.2                             | 79.2                   |
| 1QD1 406-4FA80-0AG2 | 3100                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1245 | 1915 | 150 | -54.6                             | 85.0                   |
| 1QD1 454-4FA80-0JG2 | 3600                 | 850              | 1224 | 1958 | 1180 | 250 | 130 | 450 | 200 | 1480 | 1920 | 200 | -63                               | 98.3                   |
| 1QD1 457-4FA80-0JG2 | 4150                 | 850              | 1224 | 1958 | 1400 | 250 | 130 | 450 | 200 | 1480 | 2130 | 200 | -79.6                             | 120.3                  |
| 1QD1 458-4FA80-0JG2 | 4350                 | 850              | 1224 | 1958 | 1400 | 250 | 130 | 450 | 200 | 1480 | 2130 | 200 | -99.1                             | 141.7                  |
| 1QD1 503-4FA80-0JG2 | 4750                 | 950              | 1295 | 2100 | 1320 | 315 | 160 | 500 | 240 | 1700 | 2180 | 250 | -69.2                             | 115.8                  |
| 1QD1 504-4FA80-0JG2 | 5000                 | 950              | 1295 | 2100 | 1320 | 315 | 160 | 500 | 240 | 1700 | 2180 | 250 | -76.5                             | 125.6                  |
| 1QD1 507-4FA80-0JG2 | 5500                 | 950              | 1295 | 2100 | 1500 | 315 | 160 | 500 | 240 | 1700 | 2390 | 250 | -83.7                             | 137.6                  |
| 1QD1 508-4FA80-0JG2 | 5850                 | 950              | 1295 | 2100 | 1500 | 315 | 160 | 500 | 240 | 1700 | 2390 | 250 | -98.1                             | 155.5                  |
| 1QD1 508-4FA80-0CG2 | 6050                 | 950              | 1295 | 2100 | 1500 | 315 | 160 | 500 | 240 | 1700 | 2390 | 250 | -145.8                            | 205.2                  |
| 1QD1 563-4FA80-0CG2 | 6450                 | 1060             | 1370 | 2250 | 1400 | 335 | 190 | 560 | 280 | 1870 | 2390 | 300 | -102.3                            | 165.6                  |
| 1QD1 564-4FA80-0HG2 | 6900                 | 1060             | 1370 | 2250 | 1400 | 335 | 190 | 560 | 280 | 1870 | 2390 | 300 | -135.8                            | 203.5                  |
| 1QD1 566-4FA80-0HG2 | 7700                 | 1060             | 1370 | 2250 | 1600 | 335 | 190 | 560 | 280 | 1870 | 2620 | 300 | -157.3                            | 232.8                  |
| 1QD1 567-4FA80-0HG2 | 8100                 | 1060             | 1370 | 2250 | 1600 | 335 | 190 | 560 | 280 | 1870 | 2620 | 300 | -174.8                            | 254.2                  |
| 1QD1 568-4FA80-0CG2 | 8550                 | 1060             | 1370 | 2250 | 1600 | 335 | 190 | 560 | 280 | 1870 | 2620 | 300 | -217.9                            | 301.8                  |

# 外形及安装尺寸图

## Outline and Installation Dimensions

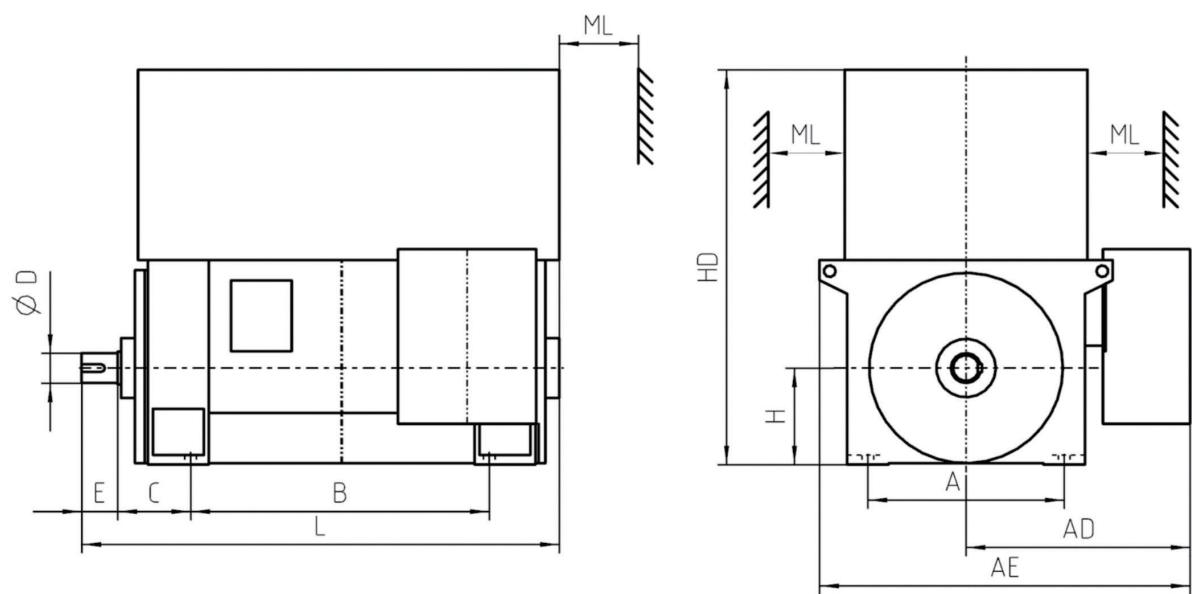


6 极 10 kV 50 Hz IC01

| 订货号<br>Order No.    | Total weight<br>电机总重 | Dimensions<br>尺寸 |      |      |      |     |     |     |     |      |      |     | Dyn. Foundation Loading<br>基础动态负荷 |                        |
|---------------------|----------------------|------------------|------|------|------|-----|-----|-----|-----|------|------|-----|-----------------------------------|------------------------|
|                     |                      | A                | AD   | AE   | B    | C   | D   | H   | E   | HD   | L    | ML  | tension up<br>向上                  | compression down<br>向下 |
|                     | kg                   | mm               |      |      |      |     |     |     |     |      |      |     | kN                                |                        |
| 1QD1 350-6FA80-0AG2 | 2300                 | 710              | 840  | 1415 | 1180 | 224 | 95  | 355 | 130 | 1160 | 1755 | 150 | -19.2                             | 41.7                   |
| 1QD1 352-6FA80-0AG2 | 2350                 | 710              | 840  | 1415 | 1180 | 224 | 95  | 355 | 130 | 1160 | 1755 | 150 | -23.4                             | 46.4                   |
| 1QD1 354-6FA80-0AG2 | 2400                 | 710              | 840  | 1415 | 1180 | 224 | 95  | 355 | 130 | 1160 | 1755 | 150 | -29.3                             | 52.8                   |
| 1QD1 356-6FA80-0AG2 | 2500                 | 710              | 840  | 1415 | 1180 | 224 | 95  | 355 | 130 | 1160 | 1755 | 150 | -36.4                             | 60.9                   |
| 1QD1 400-6FA80-0AG2 | 2800                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1245 | 1915 | 150 | -27.7                             | 55.2                   |
| 1QD1 402-6FA80-0AG2 | 2900                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1245 | 1915 | 150 | -39.0                             | 67.4                   |
| 1QD1 404-6FA80-0AG2 | 3150                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1245 | 1915 | 150 | -38.3                             | 69.2                   |
| 1QD1 406-6FA80-0AG2 | 3300                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1245 | 1915 | 150 | -59.8                             | 92.2                   |
| 1QD1 452-6FA80-0JG2 | 3300                 | 850              | 1224 | 1958 | 1180 | 250 | 130 | 450 | 200 | 1480 | 1920 | 200 | -64.9                             | 97.3                   |
| 1QD1 453-6FA80-0JG2 | 3450                 | 850              | 1224 | 1958 | 1180 | 250 | 130 | 450 | 200 | 1480 | 1920 | 200 | -73.1                             | 107                    |
| 1QD1 454-6FA80-0JG2 | 3600                 | 850              | 1224 | 1958 | 1180 | 250 | 130 | 450 | 200 | 1480 | 1920 | 200 | -83.1                             | 118.4                  |
| 1QD1 457-6FA80-0JG2 | 4000                 | 850              | 1224 | 1958 | 1400 | 250 | 130 | 450 | 200 | 1480 | 2130 | 200 | -93.2                             | 132.5                  |
| 1QD1 458-6FA80-0JG2 | 4300                 | 850              | 1224 | 1958 | 1400 | 250 | 130 | 450 | 200 | 1480 | 2130 | 200 | -107.6                            | 149.7                  |
| 1QD1 503-6FA80-0JG2 | 4900                 | 950              | 1295 | 2100 | 1320 | 315 | 160 | 500 | 240 | 1660 | 2180 | 250 | -96.8                             | 144.9                  |
| 1QD1 503-6FA80-0AG2 | 4900                 | 950              | 1295 | 2100 | 1320 | 315 | 160 | 500 | 240 | 1660 | 2180 | 250 | -112                              | 160.1                  |
| 1QD1 507-6FA80-0JG2 | 5700                 | 950              | 1295 | 2100 | 1500 | 315 | 160 | 500 | 240 | 1660 | 2390 | 250 | -127.5                            | 183.4                  |
| 1QD1 508-6FA80-0JG2 | 6050                 | 950              | 1295 | 2100 | 1500 | 315 | 160 | 500 | 240 | 1660 | 2390 | 250 | -155.3                            | 214.6                  |
| 1QD1 508-6FA80-0CG2 | 6300                 | 950              | 1295 | 2100 | 1500 | 315 | 160 | 500 | 240 | 1660 | 2390 | 250 | -150                              | 211.8                  |
| 1QD1 562-6FA80-0HG2 | 6800                 | 1060             | 1370 | 2250 | 1400 | 335 | 190 | 560 | 280 | 1880 | 2390 | 300 | -134.7                            | 201.4                  |
| 1QD1 563-6FA80-0HG2 | 7100                 | 1060             | 1370 | 2250 | 1400 | 335 | 190 | 560 | 280 | 1880 | 2390 | 300 | -149.8                            | 219.4                  |
| 1QD1 564-6FA80-0CG2 | 7450                 | 1060             | 1370 | 2250 | 1400 | 335 | 190 | 560 | 280 | 1880 | 2390 | 300 | -166.2                            | 239.3                  |
| 1QD1 568-6FA80-0HG2 | 8800                 | 1060             | 1370 | 2250 | 1600 | 335 | 190 | 560 | 280 | 1880 | 2620 | 300 | -212.2                            | 298.5                  |

# 外形及安装尺寸图

## Outline and Installation Dimensions



8 极 10 kV 50 Hz IC01

| 订货号<br>Order No.    | Total weight<br>电机总重 | Dimensions<br>尺寸 |      |      |      |     |     |     |     |      |      |     | Dyn. Foundation Loading<br>基础动态负荷 |                        |
|---------------------|----------------------|------------------|------|------|------|-----|-----|-----|-----|------|------|-----|-----------------------------------|------------------------|
|                     |                      | A                | AD   | AE   | B    | C   | D   | H   | E   | HD   | L    | ML  | tension up<br>向上                  | compression down<br>向下 |
|                     | kg                   | mm               |      |      |      |     |     |     |     |      |      |     | kN                                |                        |
| 1QD1 400-8FA80-0JG2 | 2750                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1245 | 1915 | 150 | -26.2                             | 53.2                   |
| 1QD1 400-8FA80-0AG2 | 2700                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1245 | 1915 | 150 | -32.7                             | 59.2                   |
| 1QD1 402-8FA80-0AG2 | 2900                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1245 | 1915 | 150 | -31.3                             | 59.8                   |
| 1QD1 404-8FA80-0AG2 | 3050                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1245 | 1915 | 150 | -31.7                             | 61.6                   |
| 1QD1 406-8FA80-0AG2 | 3250                 | 800              | 880  | 1510 | 1250 | 250 | 110 | 400 | 165 | 1245 | 1915 | 150 | -50.8                             | 82.7                   |
| 1QD1 451-8FA80-0JG2 | 3250                 | 850              | 1224 | 1958 | 1180 | 250 | 130 | 450 | 200 | 1480 | 1920 | 200 | -46.8                             | 78.6                   |
| 1QD1 452-8FA80-0JG2 | 3400                 | 850              | 1224 | 1958 | 1180 | 250 | 130 | 450 | 200 | 1480 | 1920 | 200 | -50.5                             | 83.8                   |
| 1QD1 453-8FA80-0JG2 | 3600                 | 850              | 1224 | 1958 | 1180 | 250 | 130 | 450 | 200 | 1480 | 1920 | 200 | -67.6                             | 102.9                  |
| 1QD1 454-8FA80-0JG2 | 3850                 | 850              | 1224 | 1958 | 1180 | 250 | 130 | 450 | 200 | 1480 | 1920 | 200 | -72                               | 109.8                  |
| 1QD1 457-8FA80-0JG2 | 4300                 | 850              | 1224 | 1958 | 1400 | 250 | 130 | 450 | 200 | 1480 | 2130 | 200 | -77.8                             | 119.9                  |
| 1QD1 458-8FA80-0AG2 | 4550                 | 850              | 1224 | 1958 | 1400 | 250 | 130 | 450 | 200 | 1480 | 2130 | 200 | -88.8                             | 133.4                  |
| 1QD1 502-8FA80-0AG2 | 4650                 | 950              | 1295 | 2100 | 1320 | 315 | 160 | 500 | 240 | 1660 | 2180 | 250 | -88.8                             | 134.4                  |
| 1QD1 504-8FA80-0JG2 | 5200                 | 950              | 1295 | 2100 | 1320 | 315 | 160 | 500 | 240 | 1660 | 2180 | 250 | -90.3                             | 141.3                  |
| 1QD1 507-8FA80-0JG2 | 5750                 | 950              | 1295 | 2100 | 1500 | 315 | 160 | 500 | 240 | 1660 | 2390 | 250 | -108.2                            | 164.6                  |
| 1QD1 508-8FA80-0JG2 | 6050                 | 950              | 1295 | 2100 | 1500 | 315 | 160 | 500 | 240 | 1660 | 2390 | 250 | -123.7                            | 183.1                  |
| 1QD1 562-8FA80-0HG2 | 6650                 | 1060             | 1370 | 2250 | 1400 | 335 | 190 | 560 | 280 | 1880 | 2390 | 300 | -112.6                            | 177.8                  |
| 1QD1 563-8FA80-0HG2 | 6950                 | 1060             | 1370 | 2250 | 1400 | 335 | 190 | 560 | 280 | 1880 | 2390 | 300 | -130.3                            | 198.5                  |
| 1QD1 564-8FA80-0HG2 | 7450                 | 1060             | 1370 | 2250 | 1400 | 335 | 190 | 560 | 280 | 1880 | 2390 | 300 | -148.6                            | 221.6                  |
| 1QD1 567-8FA80-0HG2 | 8250                 | 1060             | 1370 | 2250 | 1600 | 335 | 190 | 560 | 280 | 1880 | 2620 | 300 | -171.3                            | 252.2                  |
| 1QD1 568-8FA80-0CG2 | 8750                 | 1060             | 1370 | 2250 | 1600 | 335 | 190 | 560 | 280 | 1880 | 2620 | 300 | -189.1                            | 275                    |



技术支持与服务热线:

电 话: +86 400-898-1847

邮 箱: ldacs.m.cn@innomotics.com

茵梦达传动技术(上海)有限责任公司北京分公司

地 址: 北京市朝阳区望京中环南路7号17幢23层、24层

邮 编: 100102

订货号: BEIDE-C80007-00-5DCN

茵梦达传动技术(上海)有限责任公司

如有改动, 恕不事先通知

Technical support and service hotline:

Telephone: +86 400-898-1847

E-mail: ldacs.m.cn@innomotics.com

Innomotics Large Drives (Shanghai) Co., Ltd Beijing Branch

Address: Floor 23 and 24, Building 17, No. 7, Wangjing Zhonghuan South  
Road, Chaoyang District, Beijing

Post code: 100102

Order No.: BEIDE-C80007-00-5DCN

Innomotics Large Drives (Shanghai) Co., Ltd.

Subject to change without prior notice