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
2024.10

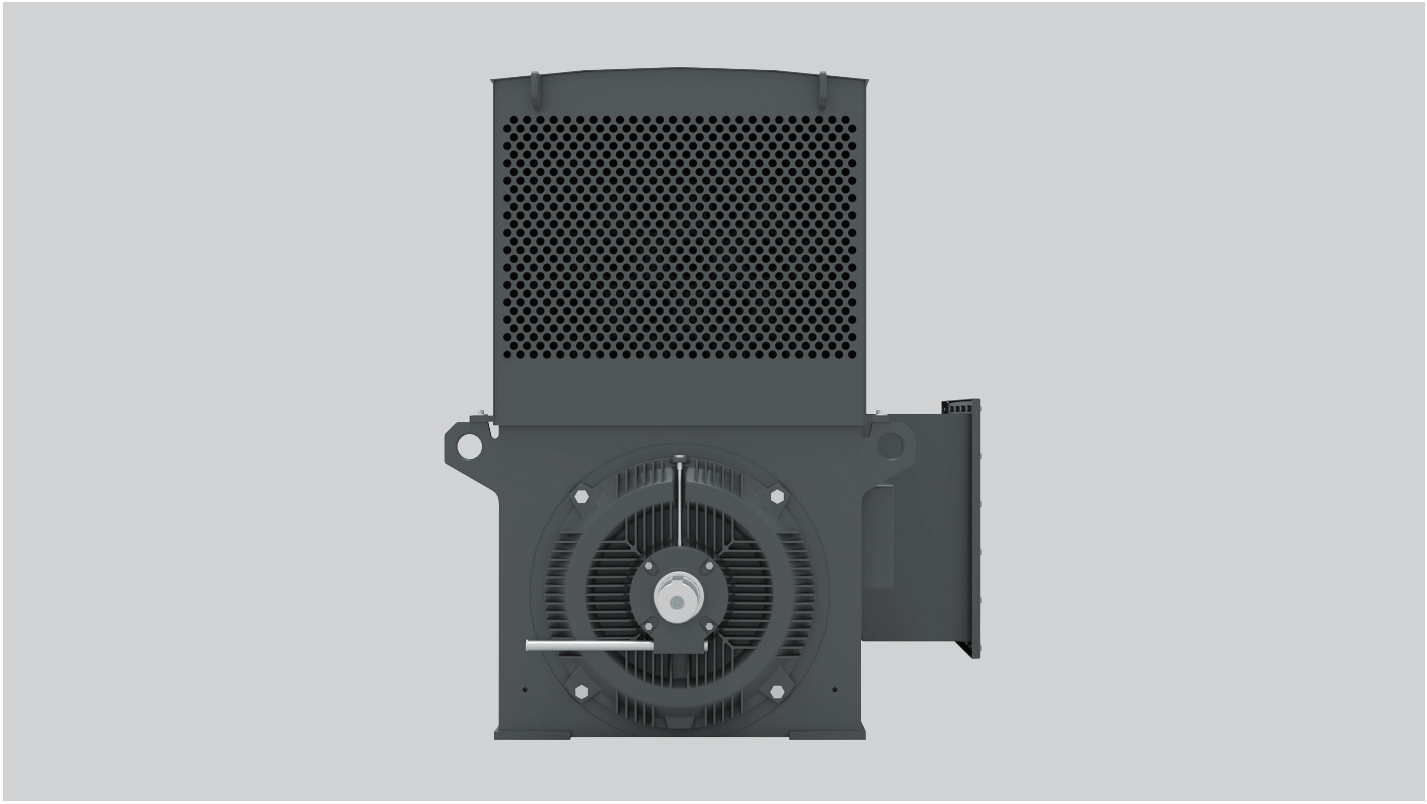
茵梦达传动技术（上海）有限责任公司
Innomotics Large Drives (Shanghai) Co., Ltd.

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



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

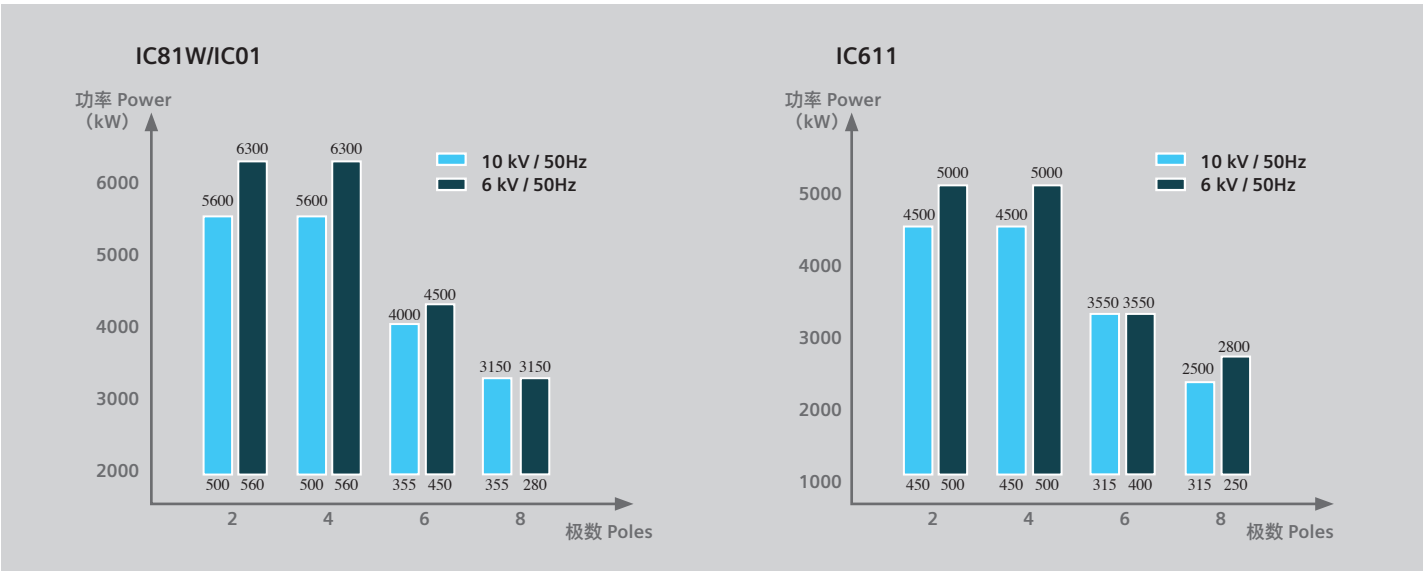
项目 / Items	规格 / Features
功率 / Power range (kW)	450 ~ 4500（10kV IC611 4 极 / 4 poles）
极数 / Poles	2、4、6、8
中心高 / Shaft height (mm)	355、400、450、500、560
电压 / Voltage	6 kV/50 Hz, 10 kV/50 Hz
热分级 / Thermal Class	F 级绝缘，B 级温升 / Thermal class F, utilized to B
冷却方式 / Cooling	IC611，IC81W，IC01
防护等级 / Degree of protection	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

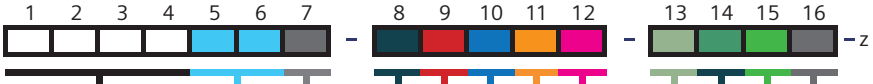
标准配置适用于以下工况条件 Standard configuration is suitable for the following working conditions

额定电压 / Rated Voltage	6/10 kV ±5 %
额定频率 / Rated Frequency	50 Hz±2 %
环境温度 / Ambient Temperature	-20 ℃ ~ 40 ℃
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



高压电机系列 High-voltage motor series

1QA1： 空空冷却方式(安全区域)/Air-to-air cooled(safe area)
1QL1 ： 空水冷却方式(安全区域)/Air-to-water cooled(safe area)
1QD1： 开启式冷却方式(安全区域)/Open circuit cooled(safe area)

机座号编号 Code of frame size

35 = 355 40 = 400
45 = 450 50 = 500
56 = 560

铁心长度编号 Code of core length
0 ~ 9

极数编号 Code of Number of poles
2: 2 极/poles
4: 4极/poles
6: 6极/poles
8: 8极/poles

冷却方式编号 Code of cooling method
J: IC611
N: IC81W
F: IC01

运行方式编号 Code of operation type
A: 高压直启/ HV DOL
T: 高压变频器运行(Innomotics GH180 或同等类型变频器)/ MV VSD operation (Innomotics GH180 or same type converter)

额定电压/连接方式/频率编号 Code of Rated voltage / connection / frequency
6: 6kV/50Hz 8: 10kV/50Hz 9: +L6C(10kV, 50Hz, VSD)

安装方式编号 Code of Mounting arrangement
0 = IM B3

温度组别编号（防爆） Code of Temperature class (for explosion protection)
0 = （非防爆）无温度组别 without temperature class

转子结构类型 Code of rotor type
A/C/H/J/K/L/M/N: 标准转子/Standard rotor design Others/其他: 特殊转子/Special rotor design

轴承类型编号 Code of bearing type
G：滚动轴承/Anti-friction bearing
J： 滑动轴承/Sleeve bearing

1：能效1级/Efficiency grade 1
2：能效2级/Efficiency grade 2

技术特点 Technical Features

技术特点和优势 Technical features and customer benefits

特点 Features	客户收益 Customer Benefits
• 高效 High efficiency	• 节能，降低运行成本 Energy saving, reduce operational cost
• 茵梦达 MICALASTIC® 绝缘系统 INNOMOTICS MICALASTIC® Insulation system • VPI 浸漆 VPI impregnation	• 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 High reliability, long life time, suitable for different load characteristics and environment
• 轴承设计可靠性高，不停机加排油 High reliable bearing design, nonstop re-greasing and used grease disposal	• 低振动、寿命长、减少维护成本 Low vibration, long life time, minimum maintenance cost
• 结构紧凑，功率密度高 Compact structure, high power density	• 节约设备空间 Space saving
• 模块化结构设计 Modular design	• 维护保养方便 Easy to maintain
• 灵活的接线盒位置选择 Variable terminal box position	• 适应客户的不同需求 Help customer optimize the equipment layout
• 丰富的选件，并可定制 Various options, possible for customization	• 满足客户的各种功能性要求 Satisfy all the Functional requirements
• 性能定制 Special design adaption	• 满足客户的特殊负载要求 Suitable for special load requirement
• 变频设计 VSD design	• 满足完美无谐波变频器供电 VSD operation is possible for Perfect Harmony converter
• 环境定制 Engineering possible for special working conditions	• 满足特殊环境要求，如高海拔，腐蚀性环境等 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 Shaft Height	极数 Number of Poles	驱动端 Drive End	非驱动端 Non-drive End	固定轴承位置 Located Bearing
355、400、450、500	2、4、6、8	深沟球轴承 Deep groove ball bearing	深沟球轴承 Deep groove ball bearing	驱动端 Drive end
500 ~ 560	2	端盖式滑动轴承 Sleeve bearing	端盖式滑动轴承 Sleeve bearing	无 No
560	4、6、8	圆柱滚子轴承 + 深沟球轴承 Roller bearing + Deep groove ball bearing	圆柱滚子轴承 Roller bearing	驱动端 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

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

环境温度及海拔高度对电机输出功率的影响

Influence of ambient temperature and installation altitude

IC611

冷却介质温度 CT [°C]	海拔高度（米） 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

IC81W / IC01

冷却介质温度 CT [°C]	海拔高度（米） 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.

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。

Vibration

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

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。

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

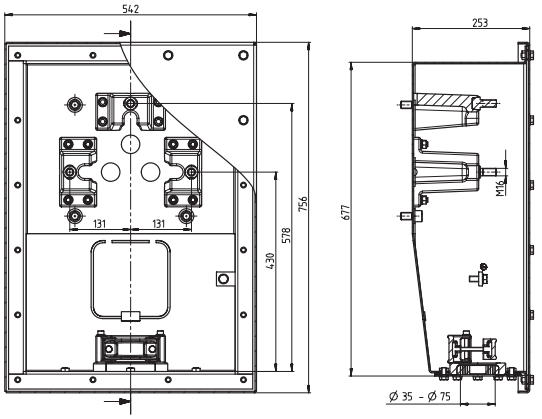
主接线盒位置为右后、左后（从驱动端看），也可根据客户要求特殊布置。

Box and connection data

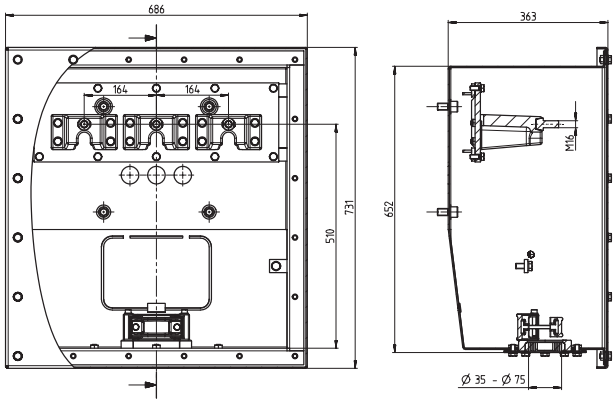
Main terminal box can be placed on right hand side at NDE, or left hand side at NDE(viewed from DE). It can also be placed acc. to customer special requirement.

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

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



6kV



10kV

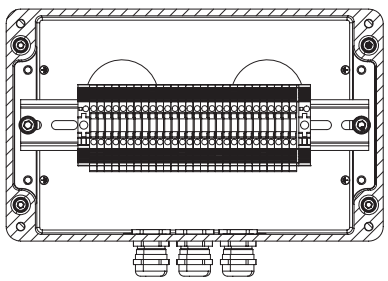
辅助接线盒

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 IP protection degree	最大端子个数 Max. number of terminal blocks	格兰头规格 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 mornitoring	
A40	2 个测温电阻 PT100，3 线制，用于滚动轴承 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 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 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 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 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 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 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 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 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 1 double resistance thermometer PT100 for 3-wire for warm air
轴承 / Bearings	
L27	非驱动端绝缘轴承 Insulated NDE bearing
K27	SKF 轴承 SKF bearing
H43	DIN 法兰，滑动轴承强制润滑进出油管（不含配对法兰） 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 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 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） 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） 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） 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 Neutral point terminal box, max. 6.6 kV, 3 terminals
T21	中性点接线盒，最高11kV, 3个端子 Neutral point terminal box, max. 11 kV, 3 terminals
M52	辅助接线盒用于抗冷凝加热器 Separate auxiliary box terminal for heater
Q74	接线盒防护等级IP56 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 1500 m above sea level
D07	海拔高度 2000 m 2000 m above sea level
D11	冷却空气温度 45 ℃ Cooling air temp. 45 ℃
D12	冷却空气温度 50 ℃ Cooling air temp. 50 ℃
D13	冷却空气温度 ≤ 55 ℃ Cooling air temp. ≤ 55 ℃
D15	对于水冷电机，冷却水温 30 ℃ Cooling water temperature 30 ℃ for water cooled motors
D16	对于水冷电机，冷却水温 35 ℃ Cooling water temperature 35 ℃ for water cooled motors
D17	对于水冷电机，冷却水温 40 ℃ Cooling water temperature 40 ℃ for water cooled motors
喷漆及防腐保护 / Paint finish and anticorrosion protection [1]	
Y53	非标准颜色喷涂 [2] Non-standard color paint finish
K24	Without coating, but primed 没有面漆，只涂底漆
K62	特殊喷涂厚度 Special painting thickness
K63	WF1 户外防中等腐蚀型 WF1 outdoor middle corrosion protection
K64	WF2 户外防强腐蚀型 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 Anti-condensation heater: Voltage 110-120 V
M13	抗冷凝加热器，电压 220-240 V Anti-condensation heater: Voltage 220-240 V
L08	抗冷凝加热器，电压 380-415 V Anti-condensation heater: Voltage 380-415 V

[1] 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)

[2] 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
机械设计 / Mechanical design	
Y55	非标准驱动端轴伸，更长，更短或者更细 (仅当技术可行) 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） Three M8 threads per side(horizontal, vertical and axial) for vibration sensor mounting(sensor not included)
K51	整机防护等级IP56 Degree of protection for complete motor
K97 *	(仅针对 IC611 电机) 顺时针旋转 (从驱动端看) (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） (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 Machine mounting material for steel foundation incl. fixing and jacking screws, shims and tapered pins
P45	不锈钢外部螺栓 Stainless steel external bolts
Q92	不锈钢垫片 Shims made of stainless steel
其他监测装置 / Other monitoring equipment	
H08	水冷却器漏水监测器 Water leakage monitoring for water cooler
测试 / Tests	
F01	工厂出厂试验，客户见证 Factory Routine Test, witnessed
F04	负载温升测试 Temperature rise test under load
F05	负载温升测试, 客户见证 Temperature rise test under load, witnessed
F18	记录负载特性曲线 Recording the load characteristic
F19	记录负载特性曲线，客户见证 Recording the load characteristic, witnessed
F82	对卧式电机进行包括发热试验的型式试验 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 Type test with heat run for horizontal motors, witnessed
铭牌 / Name Plate	
Y82	5个以内客户指定内容的附加铭牌（需提供文字描述） Up to 5 additional plates for customer data (indicate quantity and text)
文档 / Documents	
B15	改造项目 Retrofit
B38	推荐备件清单 Document: spare parts recommendation
B43	制造工作一览表 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 Order No.	额定功率 Rated power P_N	额定转速 Rated speed n_N	额定电流 Rated current n_N	效率 Efficiency	功率因数 Power factor	额定转矩 Rated torque T_N	颠覆转矩 Breakdown torque T_{max} / T_N	堵转转矩 Locked-rotor torque T_{st} / T_N	堵转电流 Locked-rotor current I_{st} / I_N	冷却空气流量 Cooling air flow	转动惯量 Moment of Inertia	
											转子 Rotor	最大外拖 [1] External max. perm.
	kW	r/min	A	%		Nm				m^3/s	kg m^2	kg m^2
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

[1] 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。

[1] 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 Order No.	额定功率 Rated power P_N	额定转速 Rated speed n_N	额定电流 Rated current n_N	效率 Efficiency	功率因数 Power factor	额定转矩 Rated torque T_N	颠覆转矩 Breakdown torque T_{max} / T_N	堵转转矩 Locked-rotor torque T_{st} / T_N	堵转电流 Locked-rotor current I_{st} / I_N	冷却空气流量 Cooling air flow	转动惯量 Moment of Inertia	
											转子 Rotor	最大外拖 [1] External max. perm.
	kW	r/min	A	%		Nm				m^3/s	kg m^2	kg m^2
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	1491	355	96.9	0.88	20188	2.35	0.65	5.6	7.3	79.5	680
1QA1 564-4JA60-0HG2	3550	1490	396	97	0.89	22766	2.2	0.6	5.3	7.3	90	780
1QA1 566-4JA60-0HG2	4000	1490	440	97.1	0.9	25646	2.3	0.7	5.5	7.2	99.5	780
1QA1 567-4JA60-0HG2	4500	1492	501	97.2	0.89	28826	2.5	0.7	6	7.2	109	860
1QA1 568-4JA60-0CG2	5000	1492	556	97.3	0.89	32005	2.7	0.8	6.5	7.2	119	830

[1] 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

[1] 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 IC611

订货号 Order No.	额定功率 Rated power P_N	额定转速 Rated speed n_N	额定电流 Rated current n_N	效率 Efficiency	功率因数 Power factor	额定转矩 Rated torque T_N	颠覆转矩 Breakdown torque T_{max} / T_N	堵转转矩 Locked-rotor torque T_{st} / T_N	堵转电流 Locked-rotor current I_{st} / I_N	冷却空气流量 Cooling air flow	转动惯量 Moment of Inertia	
											转子 Rotor	最大外拖 [1] External max. perm.
	kW	r/min	A	%		Nm				m^3/s	kg m^2	kg m^2
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

[1] 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

[1] 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 Order No.	额定功率 Rated power P_N	额定转速 Rated speed n_N	额定电流 Rated current n_N	效率 Efficiency	功率因数 Power factor	额定转矩 Rated torque T_N	颠覆转矩 Breakdown torque T_{max} / T_N	堵转转矩 Locked-rotor torque T_{st} / T_N	堵转电流 Locked-rotor current I_{st} / I_N	冷却空气流量 Cooling air flow	转动惯量 Moment of Inertia	
											转子 Rotor	最大外拖 [1] External max. perm.
	kW	r/min	A	%		Nm				m^3/s	kg m^2	kg m^2
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

[1] 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%

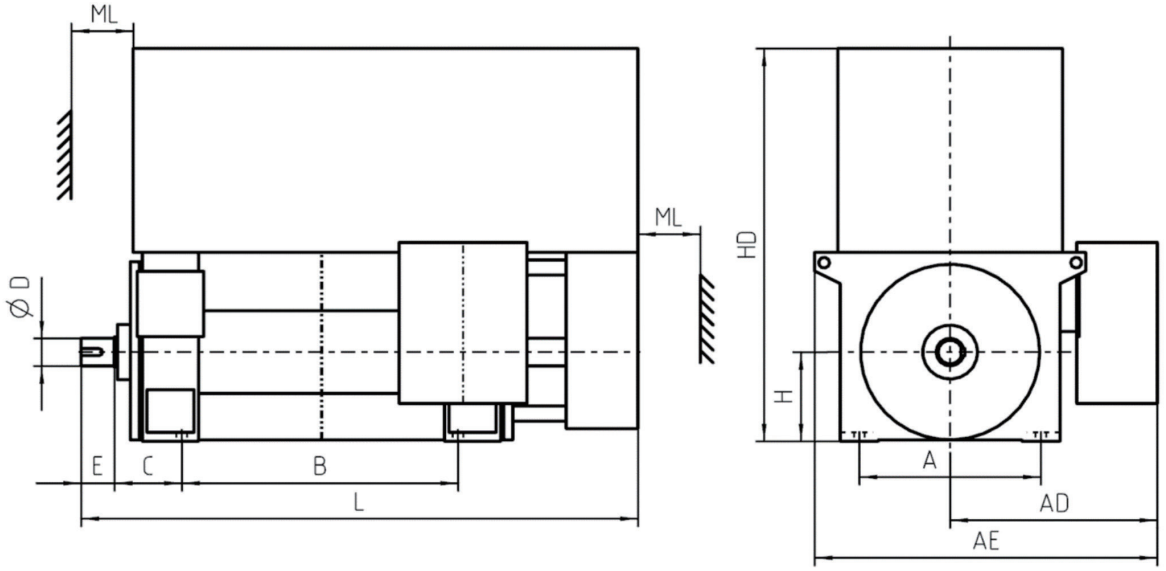
上述电气参数为典型值，具体保证值可根据需求提供

[1] 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

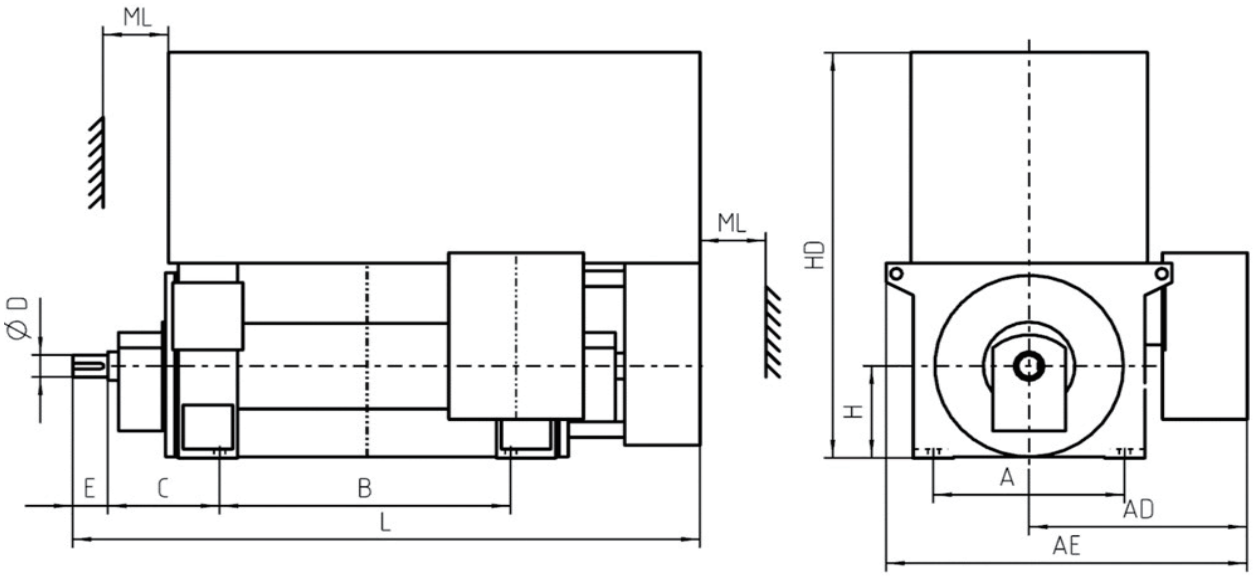
外形及安装尺寸图
Outline and Installation Dimensions



2 极 6 kV 50 Hz IC611

订货号 Order No.	Total weight 电机总重	Dimensions 尺寸											Dyn. Foundation Loading 基础动态负荷	
		A	AD	AE	B	C	D	H	E	HD	L	ML	tension up 向上	compression down 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

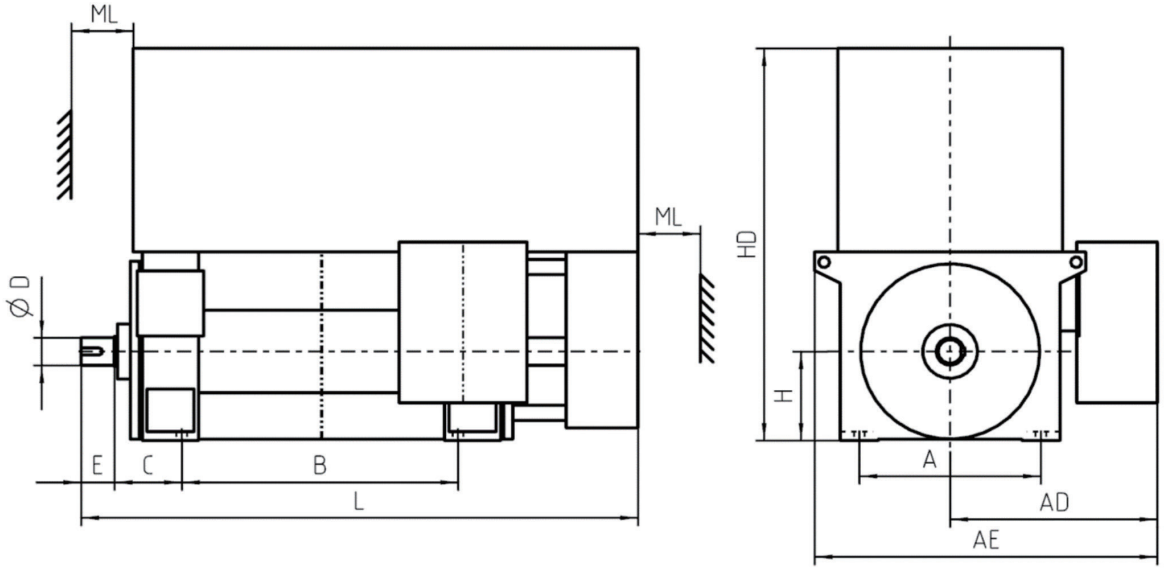
外形及安装尺寸图
Outline and Installation Dimensions



2 极 6 kV 50 Hz IC611

订货号 Order No.	Total weight 电机总重	Dimensions 尺寸											Dyn. Foundation Loading 基础动态负荷	
		A	AD	AE	B	C	D	H	E	HD	L	ML	tension up 向上	compression down 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

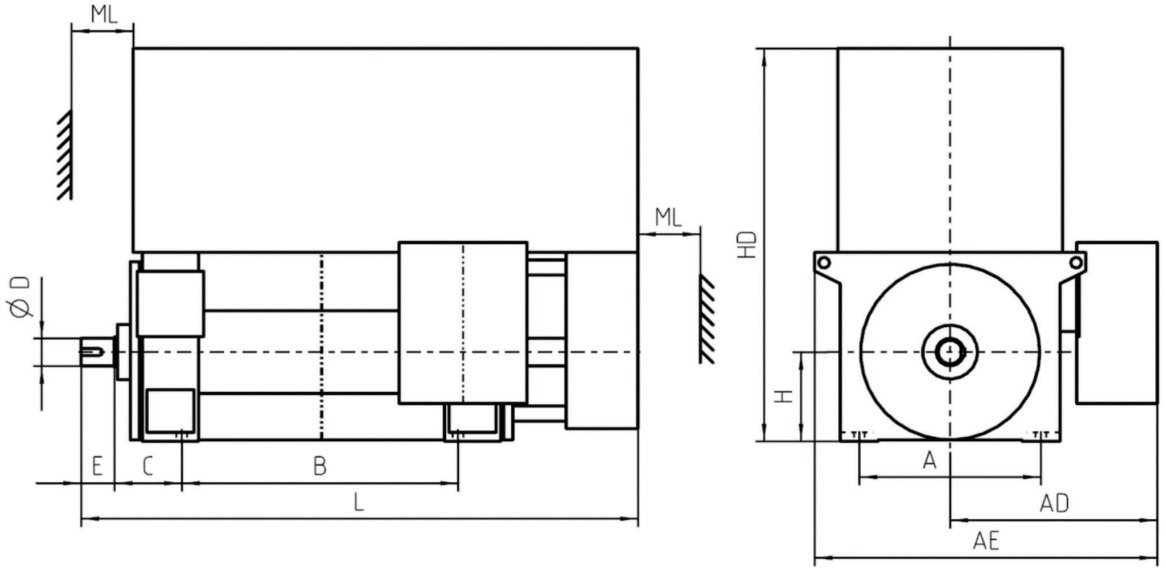
外形及安装尺寸图
Outline and Installation Dimensions



4 极 6 kV 50 Hz IC611

订货号 Order No.	Total weight 电机总重	Dimensions 尺寸											Dyn. Foundation Loading 基础动态负荷	
		A	AD	AE	B	C	D	H	E	HD	L	ML	tension up 向上	compression down 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

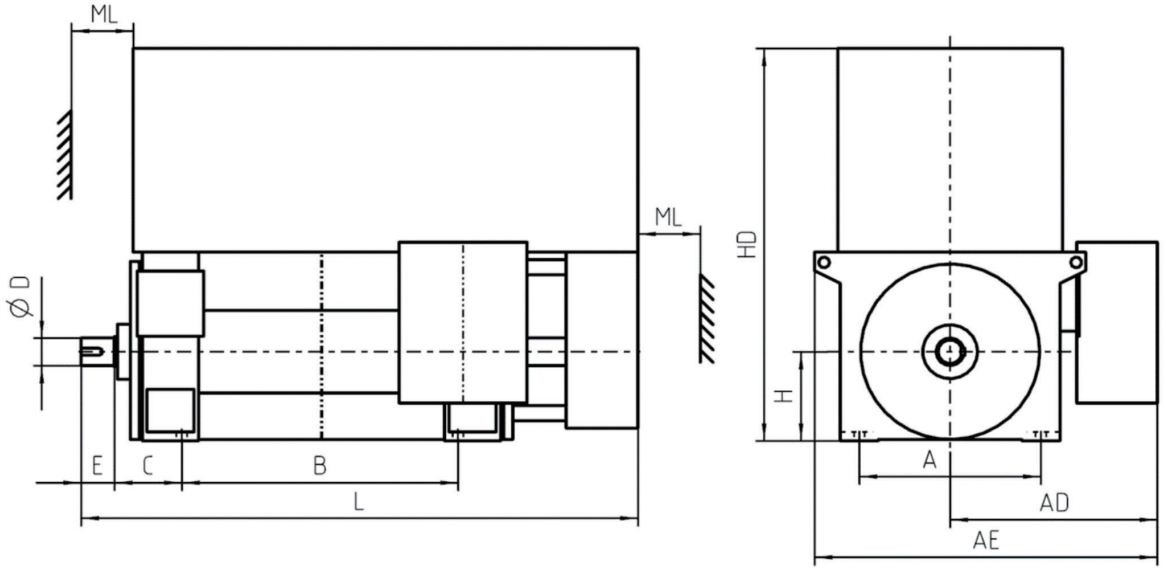
外形及安装尺寸图
Outline and Installation Dimensions



6 极 6 kV 50 Hz IC611

订货号 Order No.	Total weight 电机总重	Dimensions 尺寸											Dyn. Foundation Loading 基础动态负荷	
		A	AD	AE	B	C	D	H	E	HD	L	ML	tension up 向上	compression down 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 Order No.	Total weight 电机总重	Dimensions 尺寸											Dyn. Foundation Loading 基础动态负荷	
		A	AD	AE	B	C	D	H	E	HD	L	ML	tension up 向上	compression down 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 Order No.	额定功率 Rated power P_N	额定转速 Rated speed n_N	额定电流 Rated current n_N	效率 Efficiency	功率因数 Power factor	额定转矩 Rated torque T_N	颠覆转矩 Breakdown torque T_{max} / T_N	堵转转矩 Locked-rotor torque T_{st} / T_N	堵转电流 Locked-rotor current I_{st} / I_N	冷却空气流量 Cooling air flow	转动惯量 Moment of Inertia	
											转子 Rotor	最大外拖 [1] External max. perm.
	kW	r/min	A	%		Nm				m^3/s	kg m^2	kg m^2
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

[1] 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。

[1] 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 Order No.	额定功率 Rated power P_N	额定转速 Rated speed n_N	额定电流 Rated current n_N	效率 Efficiency	功率因数 Power factor	额定转矩 Rated torque T_N	颠覆转矩 Breakdown torque T_{max} / T_N	堵转转矩 Locked-rotor torque T_{st} / T_N	堵转电流 Locked-rotor current I_{st} / I_N	冷却空气流量 Cooling air flow	转动惯量 Moment of Inertia	
											转子 Rotor	最大外拖 [1] External max. perm.
	kW	r/min	A	%		Nm				m^3/s	kg m^2	kg m^2
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	17937	2.45	0.65	6	7.3	79.5	825
1QA1 564-4JA80-0HG2	3150	1491	211	96.9	0.89	20184	2.4	0.65	5.8	7.3	90	945
1QA1 566-4JA80-0HG2	3550	1492	235	97	0.9	22739	2.5	0.75	6.2	7.2	99.5	975
1QA1 567-4JA80-0HG2	4000	1492	264	97.1	0.9	25616	2.6	0.75	6.3	7.2	109.5	995
1QA1 568-4JA80-0CG2	4500	1492	300	97.2	0.89	28809	2.6	0.75	6.4	7.2	119	1015

[1] 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

[1] 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 IC611

订货号 Order No.	额定功率 Rated power P_N	额定转速 Rated speed n_N	额定电流 Rated current n_N	效率 Efficiency	功率因数 Power factor	额定转矩 Rated torque T_N	颠覆转矩 Breakdown torque T_{max} / T_N	堵转转矩 Locked-rotor torque T_{st} / T_N	堵转电流 Locked-rotor current I_{st} / I_N	冷却空气流量 Cooling air flow	转动惯量 Moment of Inertia	
											转子 Rotor	最大外拖 [1] External max. perm.
	kW	r/min	A	%		Nm				m^3/s	kg m^2	kg m^2
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

[1] 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

[1] 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 IC611

订货号 Order No.	额定功率 Rated power P_N	额定转速 Rated speed n_N	额定电流 Rated current n_N	效率 Efficiency	功率因数 Power factor	额定转矩 Rated torque T_N	颠覆转矩 Breakdown torque T_{max} / T_N	堵转转矩 Locked-rotor torque T_{st} / T_N	堵转电流 Locked-rotor current I_{st} / I_N	冷却空气流量 Cooling air flow	转动惯量 Moment of Inertia	
											转子 Rotor	最大外拖 [1] External max. perm.
	kW	r/min	A	%		Nm				m^3/s	kg m^2	kg m^2
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

[1] 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%

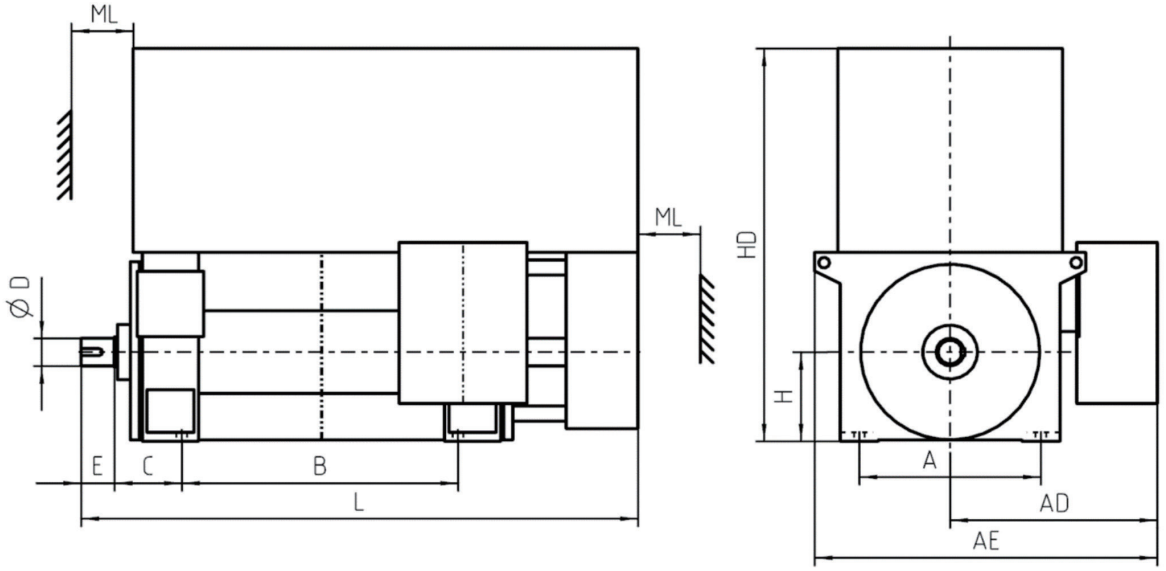
上述电气参数为典型值，具体保证值可根据需求提供

[1] 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

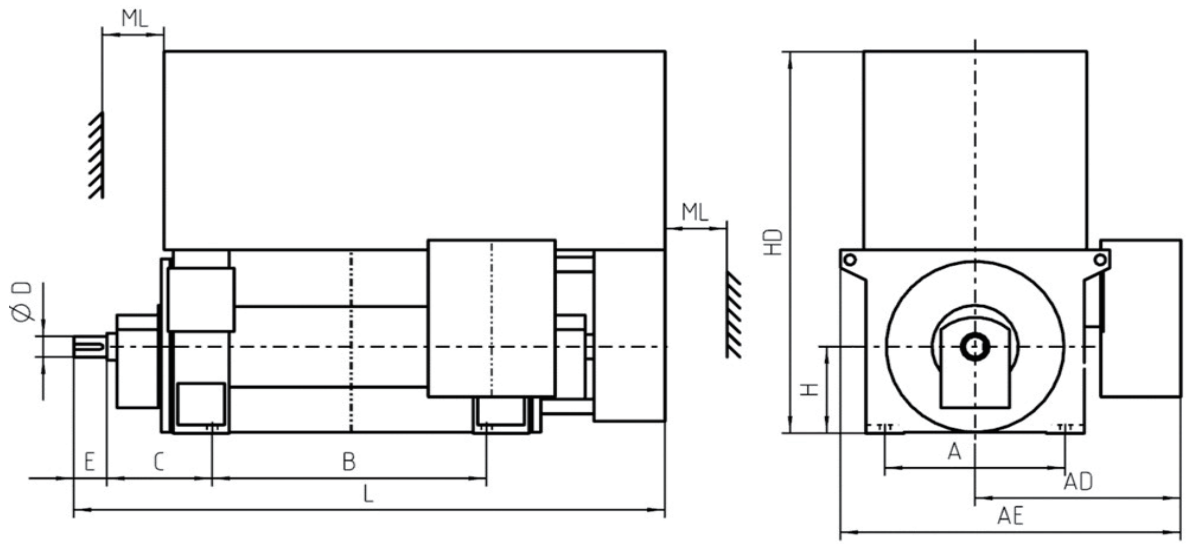
外形及安装尺寸图
Outline and Installation Dimensions



2 极 10 kV 50 Hz IC611

订货号 Order No.	Total weight 电机总重	Dimensions 尺寸											Dyn. Foundation Loading 基础动态负荷	
		A	AD	AE	B	C	D	H	E	HD	L	ML	tension up 向上	compression down 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

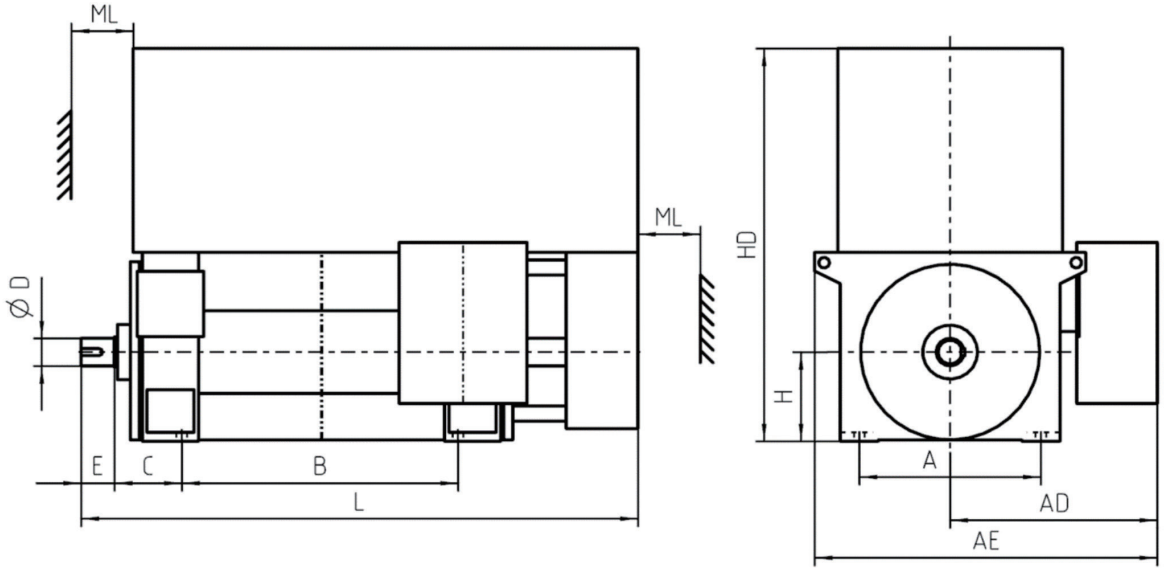
外形及安装尺寸图
Outline and Installation Dimensions



2 极 10 kV 50 Hz IC611

订货号 Order No.	Total weight 电机总重	Dimensions 尺寸											Dyn. Foundation Loading 基础动态负荷	
		A	AD	AE	B	C	D	H	E	HD	L	ML	tension up 向上	compression down 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

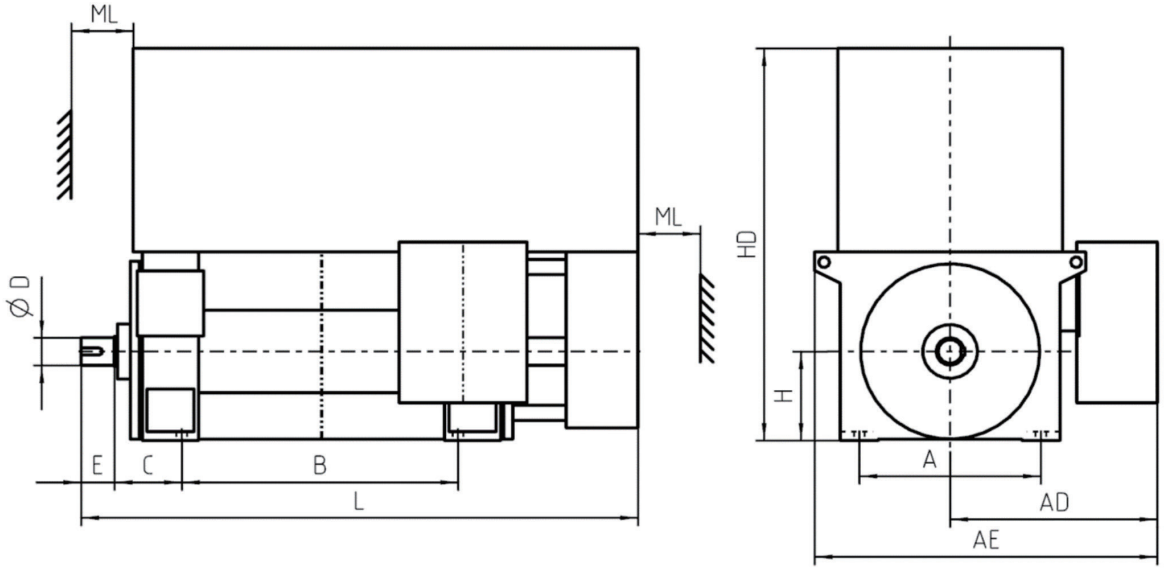
外形及安装尺寸图
Outline and Installation Dimensions



4 极 10 kV 50 Hz IC611

订货号 Order No.	Total weight 电机总重	Dimensions 尺寸											Dyn. Foundation Loading 基础动态负荷	
		A	AD	AE	B	C	D	H	E	HD	L	ML	tension up 向上	compression down 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

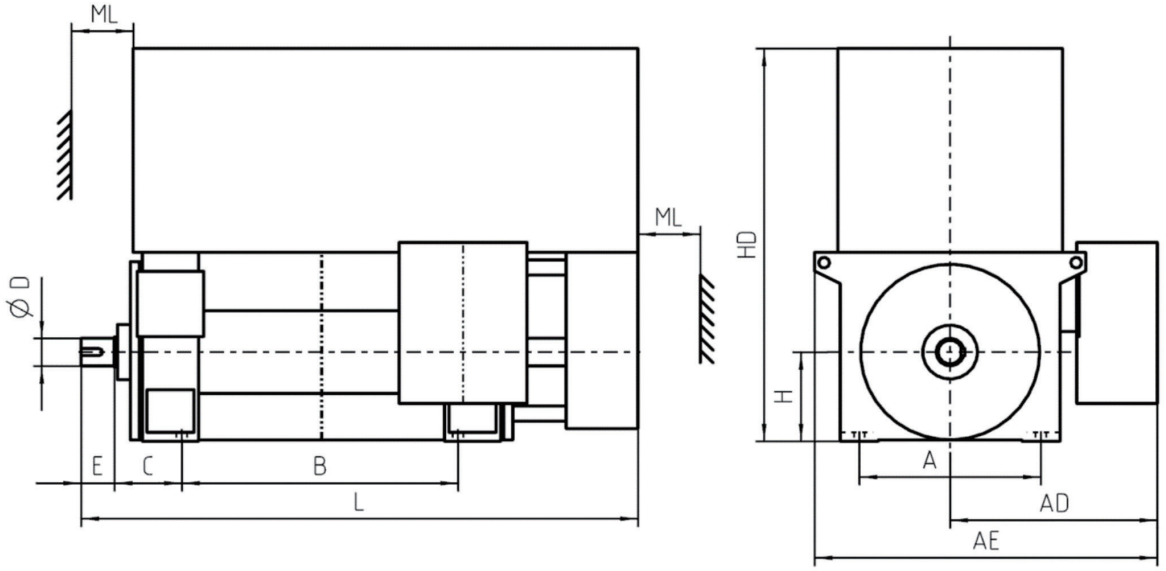
外形及安装尺寸图
Outline and Installation Dimensions



6 极 10 kV 50 Hz IC611

订货号 Order No.	Total weight 电机总重	Dimensions 尺寸											Dyn. Foundation Loading 基础动态负荷	
		A	AD	AE	B	C	D	H	E	HD	L	ML	tension up 向上	compression down 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 Order No.	Total weight 电机总重	Dimensions 尺寸											Dyn. Foundation Loading 基础动态负荷	
		A	AD	AE	B	C	D	H	E	HD	L	ML	tension up 向上	compression down 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 Order No.	额定功率 Rated power P_N	额定转速 Rated speed n_N	额定电流 Rated current n_N	效率 Efficiency	功率因数 Power factor	额定转矩 Rated torque T_N	颠覆转矩 Breakdown torque T_{max} / T_N	堵转转矩 Locked-rotor torque T_{st} / T_N	堵转电流 Locked-rotor current I_{st} / I_N	冷却水流量 Cooling water flow	转动惯量 Moment of Inertia	
											转子 Rotor	最大外拖 [1] External max. perm.
	kW	r/min	A	%		Nm				l/min	kg m^2	kg m^2
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

[1] 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。

[1] 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 IC81W

订货号 Order No.	额定功率 Rated power P_N	额定转速 Rated speed n_N	额定电流 Rated current n_N	效率 Efficiency	功率因数 Power factor	额定转矩 Rated torque T_N	颠覆转矩 Breakdown torque T_{max} / T_N	堵转转矩 Locked-rotor torque T_{st} / T_N	堵转电流 Locked-rotor current I_{st} / I_N	冷却水流量 Cooling water flow	转动惯量 Moment of Inertia	
											转子 Rotor	最大外拖 [1] External max. perm.
	kW	r/min	A	%		Nm				l/min	kg m^2	kg m^2
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	1489	401	96.9	0.88	22792	2.05	0.6	4.8	320	74.5	615
1QL1 563-4NA60-0CG2	4000	1488	451	96.9	0.88	25692	2	0.6	4.7	320	79.5	580
1QL1 564-4NA60-0HG2	4500	1489	507	97.1	0.88	28882	2.1	0.6	4.9	320	90	685
1QL1 566-4NA60-0HG2	5000	1490	556	97.2	0.89	32075	2.2	0.65	5.2	320	99.5	735
1QL1 567-4NA60-0HG2	5600	1490	622	97.3	0.89	35924	2.2	0.65	5.3	320	109.5	760
1QL1 568-4NA60-0CG2	6300	1490	699	97.4	0.89	40402	2.25	0.7	5.4	320	119	760

[1] 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

[1] 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 Order No.	额定功率 Rated power P_N	额定转速 Rated speed n_N	额定电流 Rated current n_N	效率 Efficiency	功率因数 Power factor	额定转矩 Rated torque T_N	颠覆转矩 Breakdown torque T_{max} / T_N	堵转转矩 Locked-rotor torque T_{st} / T_N	堵转电流 Locked-rotor current I_{st} / I_N	冷却水流量 Cooling water flow	转动惯量 Moment of Inertia	
											转子 Rotor	最大外拖 [1] External max. perm.
	kW	r/min	A	%		Nm				l/min	kg m^2	kg m^2
1QL1 350-6NA60-0AG2	450	990	55	95	0.83	4341	2.3	0.95	5.5	100	10	200
1QL1 352-6NA60-0AG2	500	988	60	95.2	0.84	4833	2.1	0.8	5.4	100	10	275
1QL1 354-6NA60-0AG2	560	989	68	95.1	0.83	5407	2.15	0.85	5.5	100	11	195
1QL1 356-6NA60-0AG2	630	989	77	95.3	0.83	6083	2.2	0.9	5.5	100	12	320
1QL1 400-6NA60-0AG2	710	988	85	95.4	0.84	6862	2	0.8	5.2	155	16	570
1QL1 402-6NA60-0AG2	800	988	95	95.5	0.85	7732	2	0.8	5	155	18	600
1QL1 404-6NA60-0AG2	900	991	110	95.8	0.82	8672	2.55	1	5.6	155	20	915
1QL1 406-6NA60-0AG2	1000	988	118	95.7	0.85	9665	2.1	0.8	5.4	155	22	745
1QL1 453-6NA60-0JG2	1120	989	130	95.8	0.86	10822	2.3	0.8	5.5	240	22.2	1030
1QL1 454-6NA60-0JG2	1250	989	146	96	0.86	12068	2.3	0.8	5.5	240	24.5	1200
1QL1 457-6NA60-0JG2	1400	989	164	96	0.86	13526	2.3	0.8	5.5	240	27.5	1220
1QL1 458-6NA60-0JG2	1600	989	186	96.1	0.86	15457	2.3	0.8	5.5	240	31.2	1250
1QL1 502-6NA60-0AG2	1800	990	210	96.2	0.85	17362	2.15	0.85	4.5	320	42	1620
1QL1 503-6NA60-0AG2	2000	990	230	96.4	0.86	19292	2.15	0.85	4.6	320	46.5	1790
1QL1 504-6NA60-0JG2	2240	990	260	96.4	0.86	21606	2.2	0.9	4.7	320	51	1780
1QL1 507-6NA60-0JG2	2500	990	290	96.5	0.86	24114	2.25	0.95	4.8	320	57.5	2150
1QL1 562-6NA60-0HG2	2800	992	325	96.7	0.86	26954	2	0.6	5.5	220	105.3	2430
1QL1 563-6NA60-0HG2	3150	992	365	96.8	0.86	30323	2	0.6	5.5	220	113.1	2500
1QL1 564-6NA60-0HG2	3550	992	410	96.9	0.86	34173	2	0.6	5.5	220	123.5	2485
1QL1 567-6NA60-0HG2	4000	992	460	97	0.86	38505	2	0.6	5.5	220	137.1	2600
1QL1 568-6NA60-0HG2	4500	993	520	97.1	0.86	43275	2	0.6	5.5	220	150.6	2945

[1] 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

[1] 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 IC81W

订货号 Order No.	额定功率 Rated power P_N	额定转速 Rated speed n_N	额定电流 Rated current n_N	效率 Efficiency	功率因数 Power factor	额定转矩 Rated torque T_N	颠覆转矩 Breakdown torque T_{max} / T_N	堵转转矩 Locked-rotor torque T_{st} / T_N	堵转电流 Locked-rotor current I_{st} / I_N	冷却水流量 Cooling water flow	转动惯量 Moment of Inertia	
											转子 Rotor	最大外拖 [1] External max. perm.
	kW	r/min	A	%		Nm				l/min	kg m^2	kg m^2
1QL1 350-8NA60-0AG2	280	742	37	93.7	0.78	3604	2.45	0.85	5.2	100	9.5	480
1QL1 352-8NA60-0AG2	315	742	41.5	94	0.78	4054	2.45	0.85	5.2	100	10	660
1QL1 354-8NA60-0AG2	355	742	47	94	0.77	4569	2.5	0.9	5.3	100	10.5	580
1QL1 356-8NA60-0AG2	400	742	53	94.2	0.77	5148	2.5	0.9	5.3	100	11.5	590
1QL1 400-8NA60-0JG2	450	744	61	94.6	0.75	5776	2.5	0.85	5	155	15	960
1QL1 400-8NA60-0AG2	500	744	67	94.8	0.76	6418	2.25	0.8	4.6	155	15	770
1QL1 402-8NA60-0AG2	560	743	75	94.9	0.76	7197	2.25	0.8	4.6	155	16	830
1QL1 404-8NA60-0AG2	630	743	81	95	0.79	8097	2.2	0.8	4.6	155	18.5	870
1QL1 406-8NA60-0AG2	710	744	90	95	0.8	9113	2.2	0.8	4.6	155	21	1100
1QL1 452-8NA60-0JG2	800	739	100	95.2	0.81	10328	1.85	0.6	4	240	24.8	1700
1QL1 453-8NA60-0JG2	900	739	112	95.3	0.81	11617	1.85	0.6	4	240	27.8	2180
1QL1 454-8NA60-0AG2	1000	739	124	95.4	0.81	12919	1.85	0.6	4	240	31.3	2450
1QL1 457-8NA60-0JG2	1120	740	140	95.5	0.81	14455	1.95	0.65	4.5	240	35.2	2750
1QL1 458-8NA60-0JG2	1250	740	156	95.6	0.81	16133	1.95	0.65	4.5	240	39	2810
1QL1 502-8NA60-0AG2	1400	742	174	95.9	0.81	18018	1.95	0.7	3.9	320	46	2280
1QL1 503-8NA60-0AG2	1600	741	196	96	0.82	20619	1.85	0.7	3.7	320	51	2130
1QL1 507-8NA60-0JG2	1800	743	220	96.3	0.82	23134	2.1	0.8	4.3	320	63	3670
1QL1 508-8NA60-0AG2	2000	743	245	96.4	0.82	25705	2.15	0.85	4.4	320	69	3790
1QL1 563-8NA60-0HG2	2240	744	270	96.3	0.83	28751	2.05	0.55	4.5	220	123.6	3285
1QL1 564-8NA60-0HG2	2500	744	300	96.4	0.83	32088	2.1	0.6	4.6	220	136.6	3735
1QL1 567-8NA60-0HG2	2800	744	335	96.6	0.83	35938	2.2	0.65	4.9	220	150.3	4420
1QL1 568-8NA60-0HG2	3150	744	375	96.8	0.83	40430	2.2	0.6	4.8	220	164.6	6540

[1] 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%

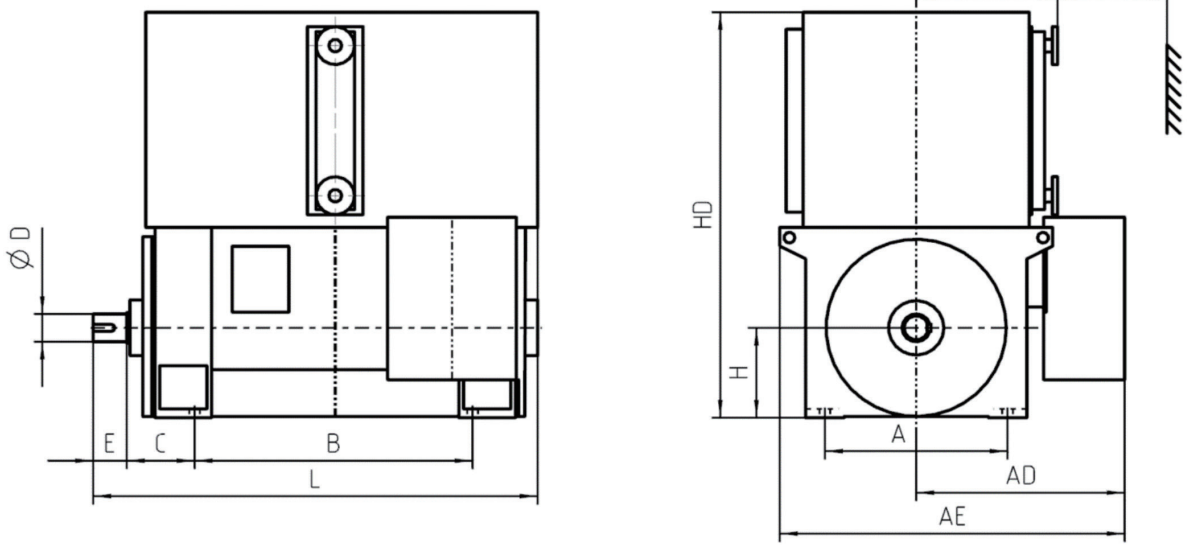
上述电气参数为典型值，具体保证值可根据需求提供

[1] 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

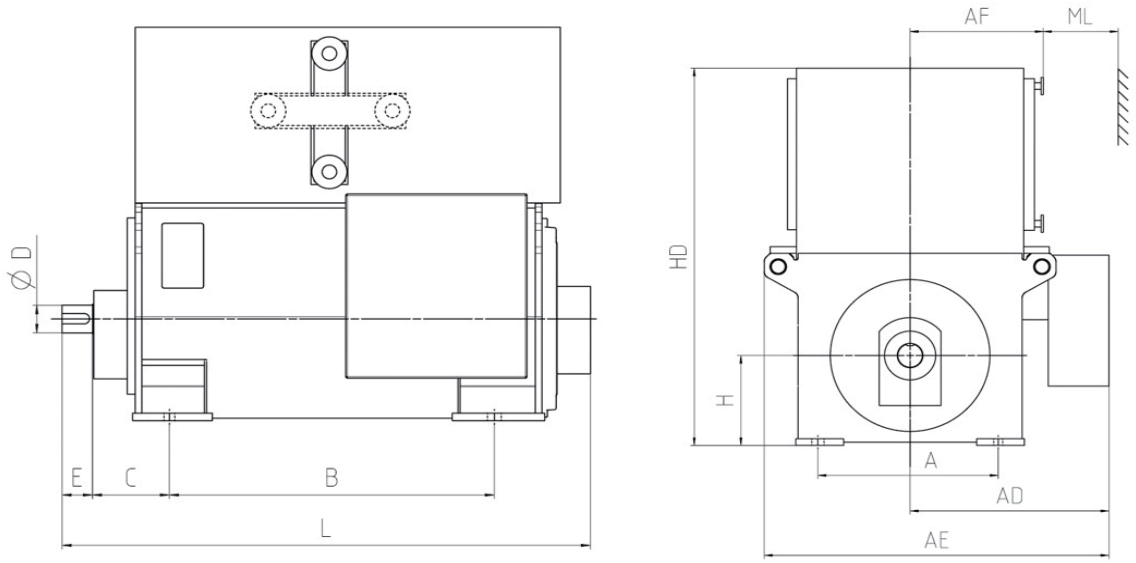
外形及安装尺寸图
Outline and Installation Dimensions



2 极 6 kV 50 Hz IC81W

订货号 Order No.	Total weight 电机总重	Dimensions 尺寸											Dyn. Foundation Loading 基础动态负荷	
		A	AD	AE	B	C	D	H	E	HD	L	ML	tension up 向上	compression down 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

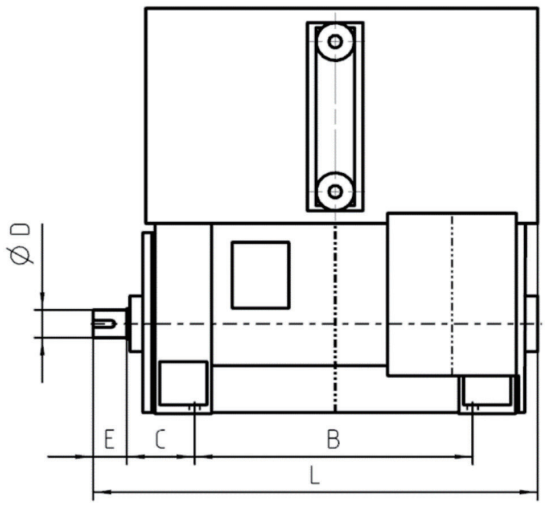
外形及安装尺寸图
Outline and Installation Dimensions

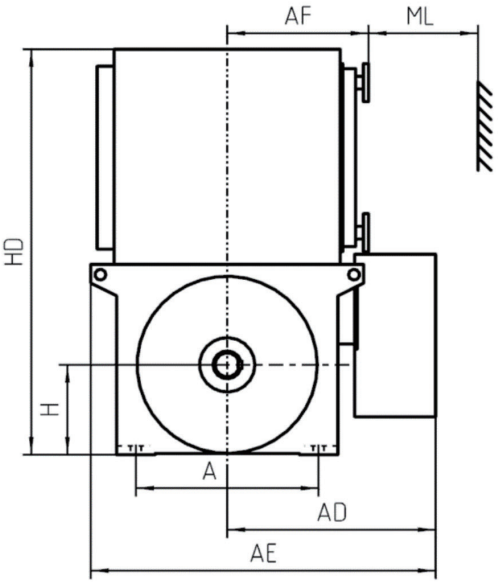


2 极 6 kV 50 Hz IC81W

订货号 Order No.	Total weight 电机总重	Dimensions 尺寸											Dyn. Foundation Loading 基础动态负荷	
		A	AD	AE	B	C	D	H	E	HD	L	ML	tension up 向上	compression down 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

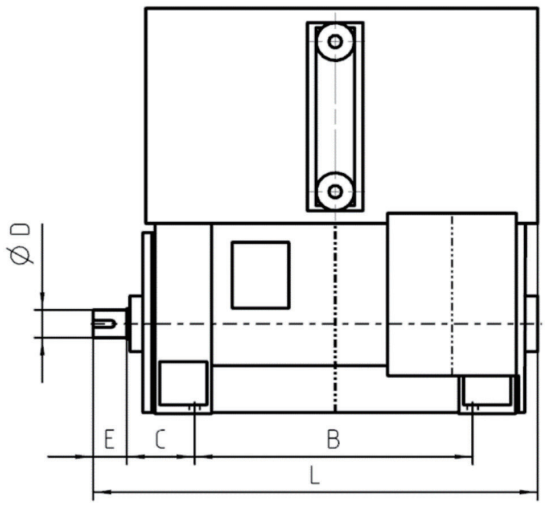


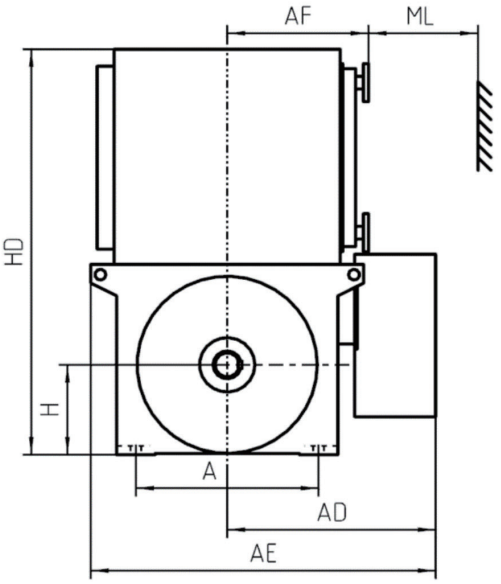


4 极 6 kV 50 Hz IC81W

订货号 Order No.	Total weight 电机总重	Dimensions 尺寸											Dyn. Foundation Loading 基础动态负荷	
		A	AD	AE	B	C	D	H	E	HD	L	ML	tension up 向上	compression down 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

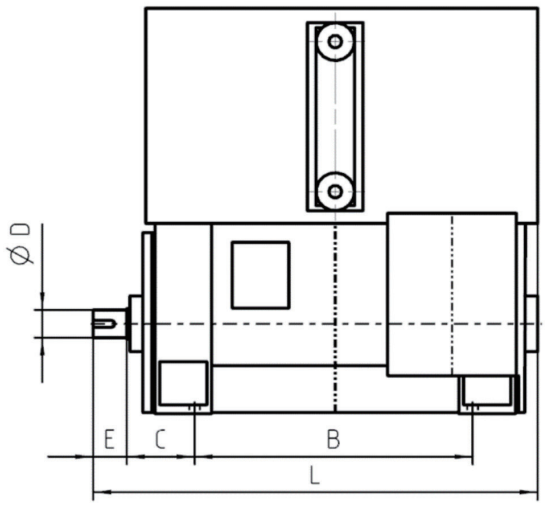


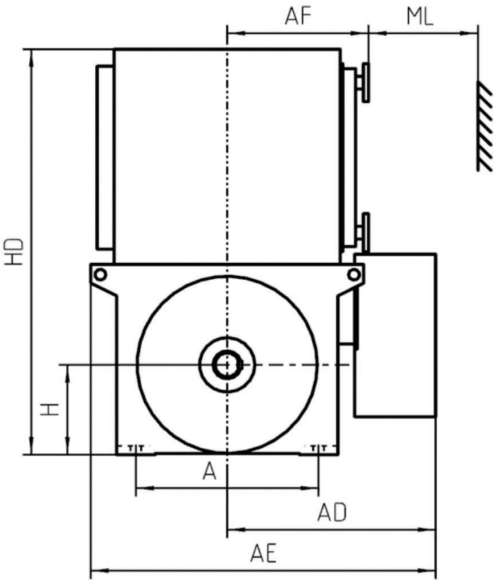


6 极 6 kV 50 Hz IC81W

订货号 Order No.	Total weight 电机总重	Dimensions 尺寸											Dyn. Foundation Loading 基础动态负荷	
		A	AD	AE	B	C	D	H	E	HD	L	ML	tension up 向上	compression down 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 Order No.	Total weight 电机总重	Dimensions 尺寸											Dyn. Foundation Loading 基础动态负荷	
		A	AD	AE	B	C	D	H	E	HD	L	ML	tension up 向上	compression down 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 Order No.	额定功率 Rated power P_N	额定转速 Rated speed n_N	额定电流 Rated current n_N	效率 Efficiency	功率因数 Power factor	额定转矩 Rated torque T_N	颠覆转矩 Breakdown torque T_{max} / T_N	堵转转矩 Locked-rotor torque T_{st} / T_N	堵转电流 Locked-rotor current I_{st} / I_N	冷却水流量 Cooling water flow	转动惯量 Moment of Inertia	
											转子 Rotor	最大外拖 [1] External max. perm.
	kW	r/min	A	%		Nm				l/min	kg m^2	kg m^2
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

[1] 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。

[1] 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 IC81W

订货号 Order No.	额定功率 Rated power P_N	额定转速 Rated speed n_N	额定电流 Rated current n_N	效率 Efficiency	功率因数 Power factor	额定转矩 Rated torque T_N	颠覆转矩 Breakdown torque T_{max} / T_N	堵转转矩 Locked-rotor torque T_{st} / T_N	堵转电流 Locked-rotor current I_{st} / I_N	冷却水流量 Cooling water flow	转动惯量 Moment of Inertia	
											转子 Rotor	最大外拖 [1] External max. perm.
	kW	r/min	A	%		Nm				l/min	kg m^2	kg m^2
1QL1 350-4NA80-0AG2	500	1486	38	94.7	0.81	3213	2.75	0.9	5.7	100	5.4	175
1QL1 352-4NA80-0AG2	560	1485	42	94.8	0.82	3601	2.75	0.95	5.8	100	6	115
1QL1 354-4NA80-0AG2	630	1486	48	95	0.8	4048	2.8	1	5.9	100	6.5	135
1QL1 356-4NA80-0AG2	710	1485	52	95.4	0.82	4566	2.85	1.05	6.1	100	7.2	130
1QL1 358-4NA80-0AG2	800	1485	58	95.5	0.83	5144	2.7	1.05	6.2	100	7.9	150
1QL1 400-4NA80-0AG2	900	1485	64	95.6	0.85	5787	2.3	0.75	5.3	155	11.3	325
1QL1 402-4NA80-0AG2	1000	1485	72	95.7	0.84	6431	2.3	0.75	5.3	155	12.1	330
1QL1 404-4NA80-0AG2	1120	1485	79	95.8	0.85	7202	2.3	0.85	5.4	155	13.5	240
1QL1 406-4NA80-0AG2	1250	1485	87	96	0.86	8038	2.3	0.85	5.4	155	14.8	335
1QL1 454-4NA80-0JG2	1400	1485	95	96.1	0.89	9006	2.65	0.75	6	170	18.6	405
1QL1 457-4NA80-0JG2	1600	1486	108	96.3	0.89	10285	2.8	0.8	6.5	170	22.2	500
1QL1 458-4NA80-0JG2	1800	1487	122	96.4	0.89	11565	3	0.9	6.5	170	24.3	540
1QL1 503-4NA80-0JG2	2000	1487	132	96.6	0.9	12852	2.45	0.85	5.6	240	37	625
1QL1 504-4NA80-0JG2	2240	1486	148	96.7	0.9	14404	2.4	0.85	5.5	240	40.5	675
1QL1 507-4NA80-0JG2	2500	1486	164	96.7	0.91	16068	2.4	0.9	5.4	240	45.5	755
1QL1 508-4NA80-0JG2	2800	1486	186	96.8	0.9	18005	2.45	0.9	5.6	240	50.5	815
1QL1 508-4NA80-0CG2	3150	1490	210	97	0.9	20200	2.6	0.7	5.5	240	62.5	905
1QL1 563-4NA80-0CG2	3550	1489	238	96.9	0.89	22783	2.1	0.6	5	320	79.5	725
1QL1 564-4NA80-0HG2	4000	1491	268	97	0.89	25635	2.3	0.65	5.5	320	90	835
1QL1 566-4NA80-0HG2	4500	1491	300	97.2	0.89	28837	2.35	0.65	5.6	320	99.5	885
1QL1 567-4NA80-0HG2	5000	1491	334	97.2	0.89	32046	2.3	0.7	5.6	320	109.5	935
1QL1 568-4NA80-0CG2	5600	1490	369	97.3	0.9	35911	2.2	0.65	5.3	320	119	940

[1] 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

[1] 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 Order No.	额定功率 Rated power P_N	额定转速 Rated speed n_N	额定电流 Rated current n_N	效率 Efficiency	功率因数 Power factor	额定转矩 Rated torque T_N	颠覆转矩 Breakdown torque T_{max} / T_N	堵转转矩 Locked-rotor torque T_{st} / T_N	堵转电流 Locked-rotor current I_{st} / I_N	冷却水流量 Cooling water flow	转动惯量 Moment of Inertia	
											转子 Rotor	最大外拖 [1] External max. perm.
	kW	r/min	A	%		Nm				l/min	kg m^2	kg m^2
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

[1] 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

[1] 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 Order No.	额定功率 Rated power P_N	额定转速 Rated speed n_N	额定电流 Rated current n_N	效率 Efficiency	功率因数 Power factor	额定转矩 Rated torque T_N	颠覆转矩 Breakdown torque T_{max} / T_N	堵转转矩 Locked-rotor torque T_{st} / T_N	堵转电流 Locked-rotor current I_{st} / I_N	冷却水流量 Cooling water flow	转动惯量 Moment of Inertia	
											转子 Rotor	最大外拖 [1] External max. perm.
	kW	r/min	A	%		Nm				l/min	kg m^2	kg m^2
1QL1 400-8NA80-0JG2	355	744	28	93.7	0.78	4556	2.55	0.85	5.3	155	12	440
1QL1 400-8NA80-0AG2	400	744	32	93.8	0.77	5134	2.6	0.9	5.3	155	12	430
1QL1 402-8NA80-0AG2	450	744	35	94	0.78	5776	2.3	0.75	4.9	155	13.5	520
1QL1 404-8NA80-0AG2	500	744	38	94.4	0.8	6418	2.15	0.75	4.6	155	15	540
1QL1 406-8NA80-0AG2	560	745	44	94.6	0.77	7178	2.7	0.9	5.4	155	17	800
1QL1 451-8NA80-0JG2	630	742	48.5	94.9	0.79	8107	2.2	0.75	5.3	240	22.7	720
1QL1 452-8NA80-0JG2	710	742	54	95	0.8	9145	2.2	0.75	5.3	240	24.8	970
1QL1 453-8NA80-0JG2	800	742	61	95.2	0.79	10290	2.4	0.8	5.3	240	27.8	1240
1QL1 454-8NA80-0JG2	900	742	68	95.3	0.8	11586	2.3	0.8	5.3	240	31.3	1370
1QL1 457-8NA80-0JG2	1000	742	75	95.5	0.81	12877	2.3	0.8	5.3	240	35.2	1400
1QL1 458-8NA80-0AG2	1120	742	84	95.6	0.81	14424	2.3	0.8	5.3	240	39	1440
1QL1 502-8NA80-0AG2	1250	742	91	95.8	0.83	16087	1.9	0.7	3.9	320	46	1310
1QL1 504-8NA80-0JG2	1400	744	102	96.2	0.82	17969	2.3	0.85	4.7	320	56	2870
1QL1 507-8NA80-0JG2	1600	744	116	96.3	0.82	20536	2.35	0.85	4.7	320	63	3470
1QL1 508-8NA80-0JG2	1800	744	134	96.3	0.81	23103	2.5	0.95	5	320	69	3350
1QL1 562-8NA80-0HG2	2000	744	144	96.1	0.83	25670	2.1	0.55	4.6	220	115	3045
1QL1 563-8NA80-0HG2	2240	744	162	96.2	0.83	28751	2.1	0.6	4.6	220	123.6	3165
1QL1 564-8NA80-0HG2	2500	744	180	96.4	0.83	32088	2.1	0.6	4.6	220	136.6	4770
1QL1 567-8NA80-0HG2	2800	744	200	96.5	0.83	35938	2.15	0.6	4.7	220	150.3	5980
1QL1 568-8NA80-0CG2	3150	744	225	96.6	0.83	40430	2.1	0.6	4.6	220	164.6	6250

[1] 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%

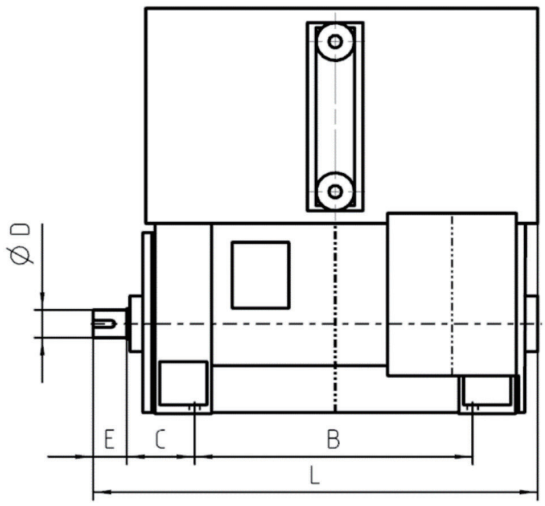
上述电气参数为典型值，具体保证值可根据需求提供

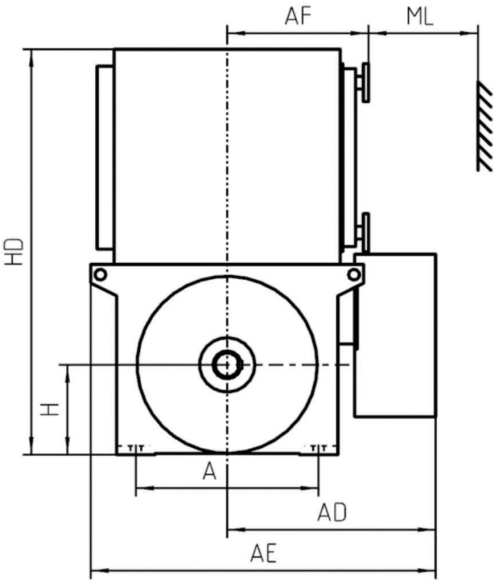
[1] The maximum external moment of inertia for direct online starting is based on the following conditions:

- 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

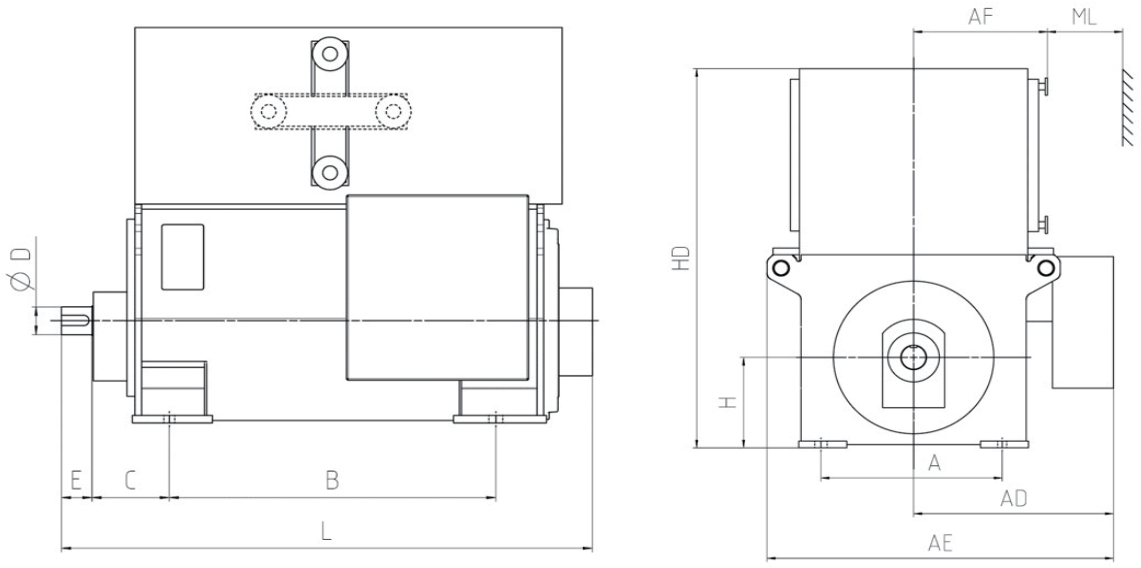




2 极 10 kV 50 Hz IC81W

订货号 Order No.	Total weight 电机总重	Dimensions 尺寸											Dyn. Foundation Loading 基础动态负荷	
		A	AD	AE	B	C	D	H	E	HD	L	ML	tension up 向上	compression down 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

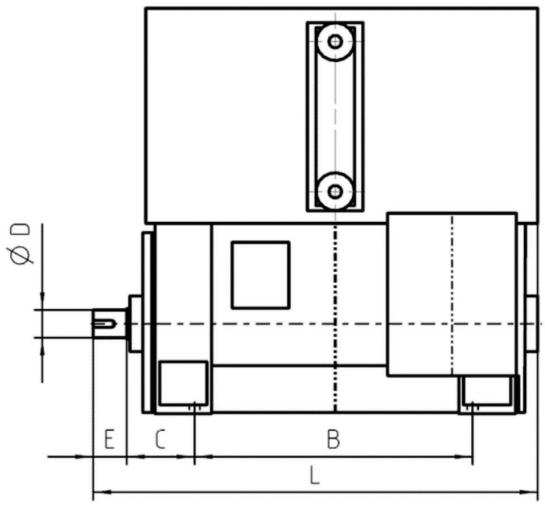
外形及安装尺寸图
Outline and Installation Dimensions

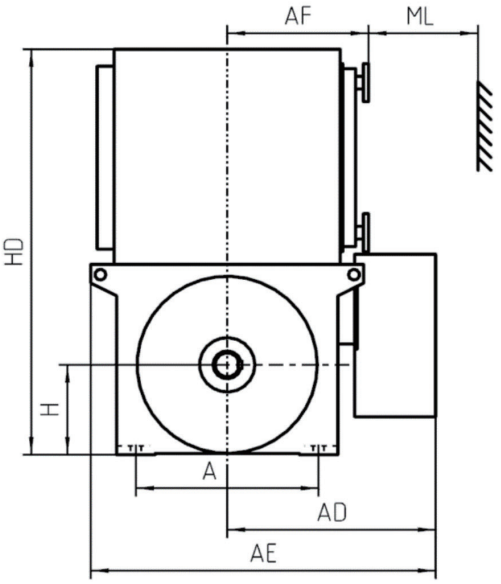


2 极 10 kV 50 Hz IC81W

订货号 Order No.	Total weight 电机总重	Dimensions 尺寸											Dyn. Foundation Loading 基础动态负荷	
		A	AD	AE	B	C	D	H	E	HD	L	ML	tension up 向上	compression down 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

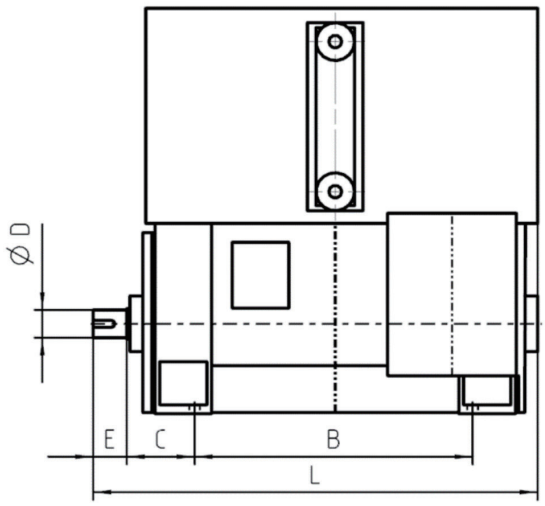


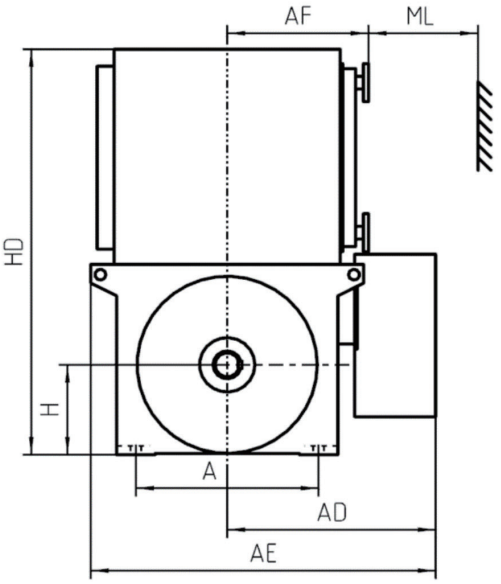


4 极 10 kV 50 Hz IC81W

订货号 Order No.	Total weight 电机总重	Dimensions 尺寸											Dyn. Foundation Loading 基础动态负荷	
		A	AD	AE	B	C	D	H	E	HD	L	ML	tension up 向上	compression down 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

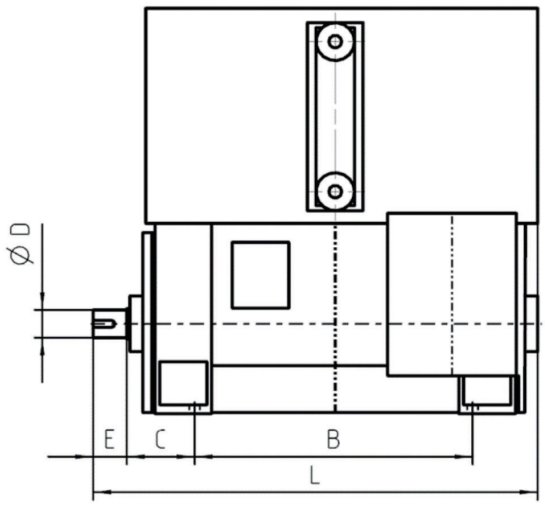


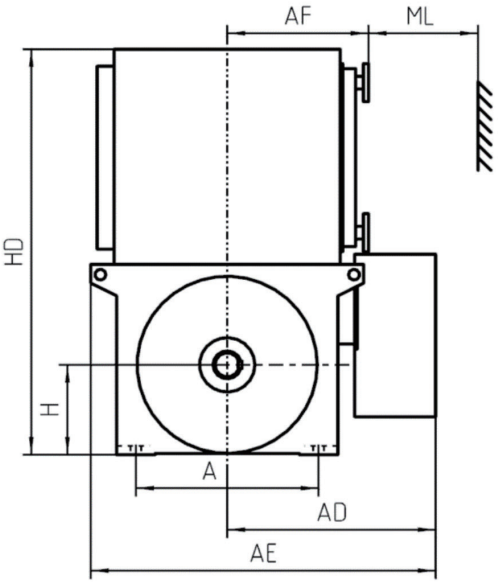


6 极 10 kV 50 Hz IC81W

订货号 Order No.	Total weight 电机总重	Dimensions 尺寸											Dyn. Foundation Loading 基础动态负荷	
		A	AD	AE	B	C	D	H	E	HD	L	ML	tension up 向上	compression down 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 Order No.	Total weight 电机总重	Dimensions 尺寸											Dyn. Foundation Loading 基础动态负荷	
		A	AD	AE	B	C	D	H	E	HD	L	ML	tension up 向上	compression down 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 Order No.	额定功率 Rated power P_N	额定转速 Rated speed n_N	额定电流 Rated current n_N	效率 Efficiency	功率因数 Power factor	额定转矩 Rated torque T_N	颠覆转矩 Breakdown torque T_{max} / T_N	堵转转矩 Locked-rotor torque T_{st} / T_N	堵转电流 Locked-rotor current I_{st} / I_N	冷却空气流量 Cooling air flow	转动惯量 Moment of Inertia	
											转子 Rotor	最大外拖 [1] External max. perm.
	kW	r/min	A	%		Nm				m^3/s	kg m^2	kg m^2
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

[1] 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。

[1] 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 IC01

订货号 Order No.	额定功率 Rated power P_N	额定转速 Rated speed n_N	额定电流 Rated current n_N	效率 Efficiency	功率因数 Power factor	额定转矩 Rated torque T_N	颠覆转矩 Breakdown torque T_{max} / T_N	堵转转矩 Locked-rotor torque T_{st} / T_N	堵转电流 Locked-rotor current I_{st} / I_N	冷却空气流量 Cooling air flow	转动惯量 Moment of Inertia	
											转子 Rotor	最大外拖 [1] External max. perm.
	kW	r/min	A	%		Nm				m^3/s	kg m^2	kg m^2
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	1489	401	96.9	0.88	22792	2.05	0.6	4.8	4.25	74.5	615
1QD1 563-4FA60-0CG2	4000	1488	451	96.9	0.88	25692	2	0.6	4.7	4.25	79.5	580
1QD1 564-4FA60-0HG2	4500	1489	507	97.1	0.88	28882	2.1	0.6	4.9	4.25	90	685
1QD1 566-4FA60-0HG2	5000	1490	556	97.2	0.89	32075	2.2	0.65	5.2	4.3	99.5	735
1QD1 567-4FA60-0HG2	5600	1490	622	97.3	0.89	35924	2.2	0.65	5.3	4.25	109.5	760
1QD1 568-4FA60-0CG2	6300	1490	699	97.4	0.89	40402	2.25	0.7	5.4	4.25	119	760

[1] 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

[1] 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 IC01

订货号 Order No.	额定功率 Rated power P_N	额定转速 Rated speed n_N	额定电流 Rated current n_N	效率 Efficiency	功率因数 Power factor	额定转矩 Rated torque T_N	颠覆转矩 Breakdown torque T_{max} / T_N	堵转转矩 Locked-rotor torque T_{st} / T_N	堵转电流 Locked-rotor current I_{st} / I_N	冷却空气流量 Cooling air flow	转动惯量 Moment of Inertia	
											转子 Rotor	最大外拖 [1] External max. perm.
	kW	r/min	A	%		Nm				m^3/s	kg m^2	kg m^2
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

[1] 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

[1] 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 Order No.	额定功率 Rated power P_N	额定转速 Rated speed n_N	额定电流 Rated current n_N	效率 Efficiency	功率因数 Power factor	额定转矩 Rated torque T_N	颠覆转矩 Breakdown torque T_{max} / T_N	堵转转矩 Locked-rotor torque T_{st} / T_N	堵转电流 Locked-rotor current I_{st} / I_N	冷却空气流量 Cooling air flow	转动惯量 Moment of Inertia	
											转子 Rotor	最大外拖 [1] External max. perm.
	kW	r/min	A	%		Nm				m^3/s	kg m^2	kg m^2
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

[1] 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%

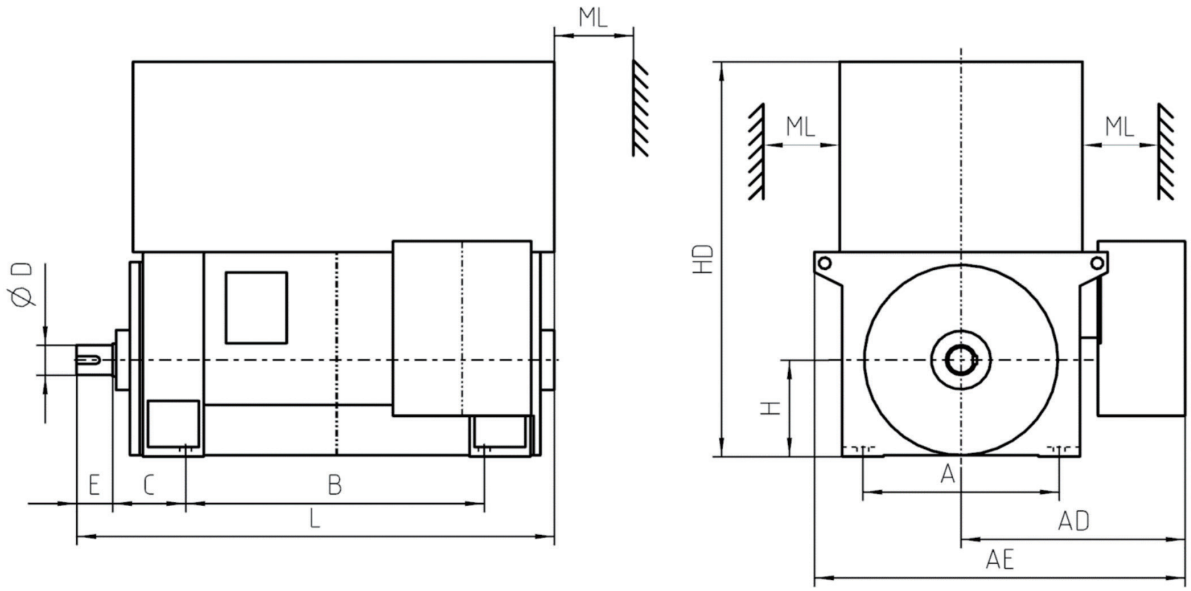
上述电气参数为典型值，具体保证值可根据需求提供

[1] 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

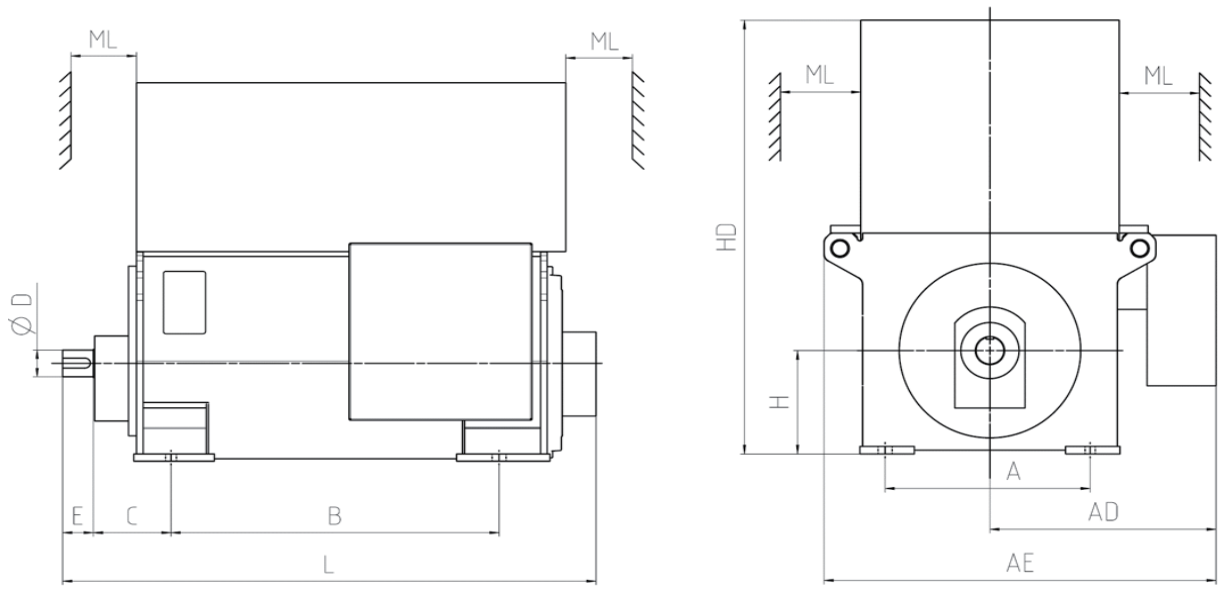
外形及安装尺寸图
Outline and Installation Dimensions



2 极 6 kV 50 Hz IC01

订货号 Order No.	Total weight 电机总重	Dimensions 尺寸											Dyn. Foundation Loading 基础动态负荷	
		A	AD	AE	B	C	D	H	E	HD	L	ML	tension up 向上	compression down 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

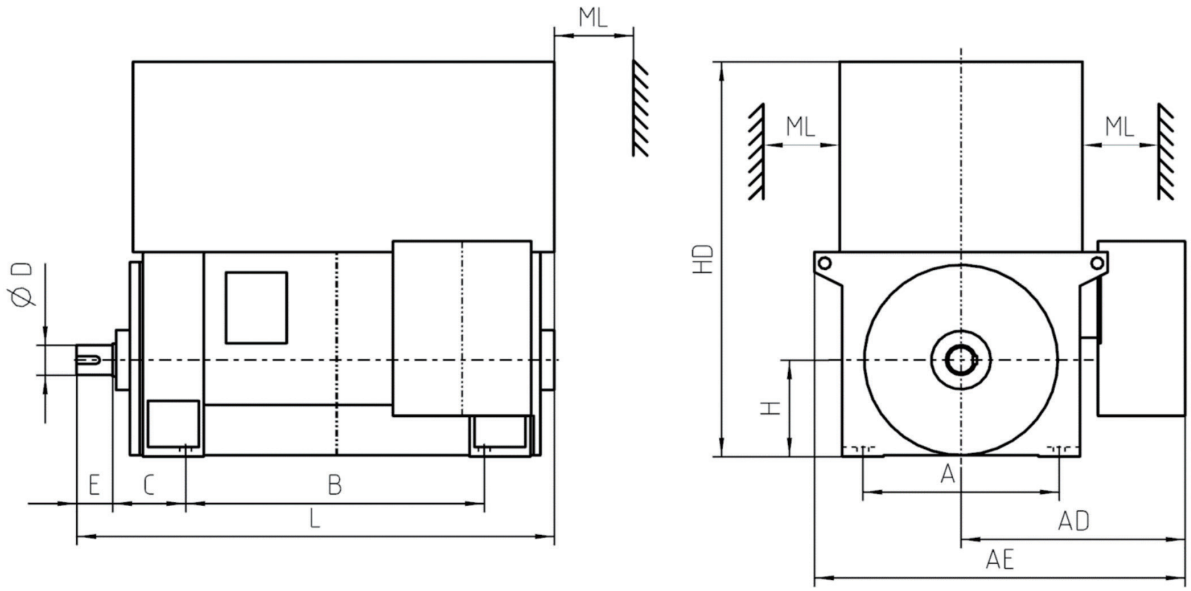
外形及安装尺寸图
Outline and Installation Dimensions



2 极 6 kV 50 Hz IC01

订货号 Order No.	Total weight 电机总重	Dimensions 尺寸											Dyn. Foundation Loading 基础动态负荷	
		A	AD	AE	B	C	D	H	E	HD	L	ML	tension up 向上	compression down 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

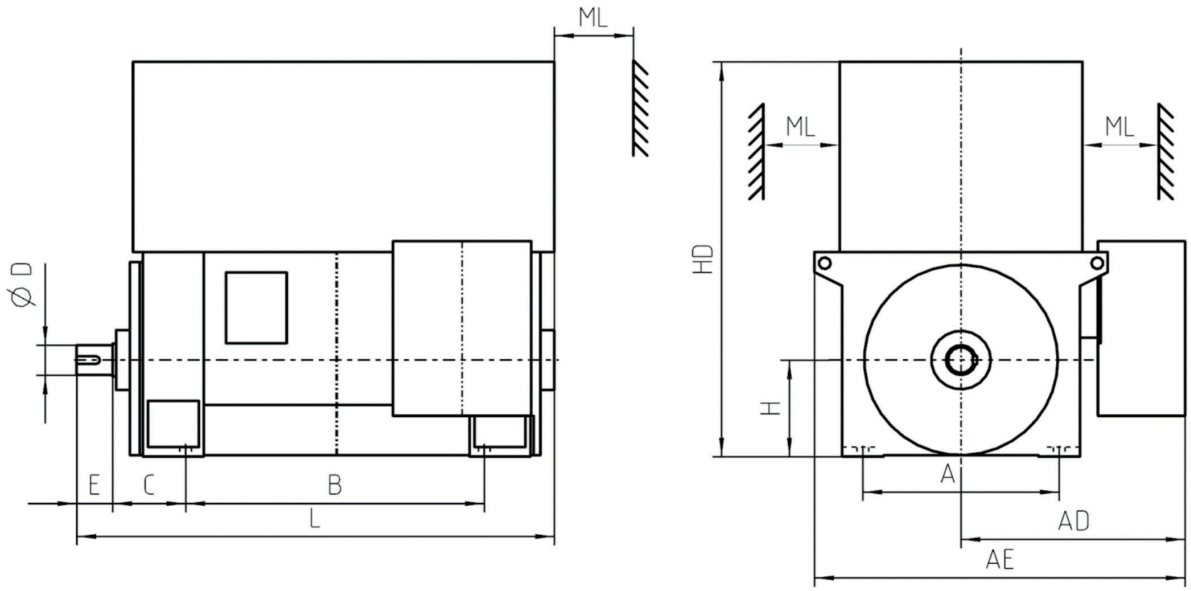
外形及安装尺寸图
Outline and Installation Dimensions



4 极 6 kV 50 Hz IC01

订货号 Order No.	Total weight 电机总重	Dimensions 尺寸											Dyn. Foundation Loading 基础动态负荷	
		A	AD	AE	B	C	D	H	E	HD	L	ML	tension up 向上	compression down 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

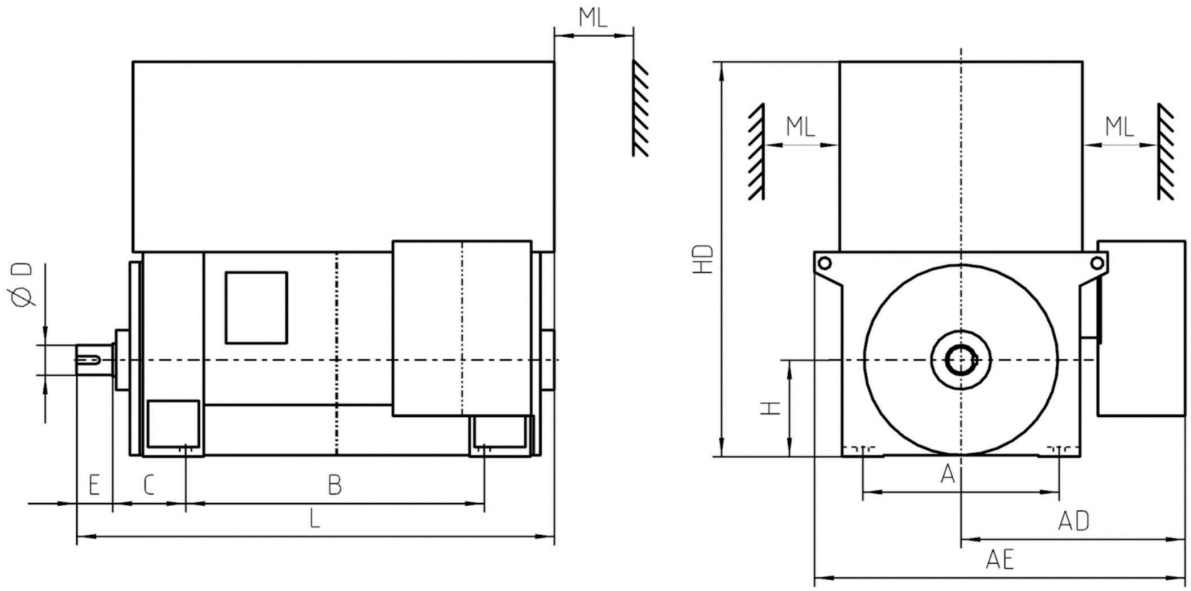
外形及安装尺寸图
Outline and Installation Dimensions



6 极 6 kV 50 Hz IC01

订货号 Order No.	Total weight 电机总重	Dimensions 尺寸											Dyn. Foundation Loading 基础动态负荷	
		A	AD	AE	B	C	D	H	E	HD	L	ML	tension up 向上	compression down 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 Order No.	Total weight 电机总重	Dimensions 尺寸											Dyn. Foundation Loading 基础动态负荷	
		A	AD	AE	B	C	D	H	E	HD	L	ML	tension up 向上	compression down 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 Order No.	额定功率 Rated power P_N	额定转速 Rated speed n_N	额定电流 Rated current n_N	效率 Efficiency	功率因数 Power factor	额定转矩 Rated torque T_N	颠覆转矩 Breakdown torque T_{max} / T_N	堵转转矩 Locked-rotor torque T_{st} / T_N	堵转电流 Locked-rotor current I_{st} / I_N	冷却空气流量 Cooling air flow	转动惯量 Moment of Inertia	
											转子 Rotor	最大外拖 [1] External max. perm.
	kW	r/min	A	%		Nm				m^3/s	kg m^2	kg m^2
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

[1] 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。

[1] 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 IC01

订货号 Order No.	额定功率 Rated power P_N	额定转速 Rated speed n_N	额定电流 Rated current n_N	效率 Efficiency	功率因数 Power factor	额定转矩 Rated torque T_N	颠覆转矩 Breakdown torque T_{max} / T_N	堵转转矩 Locked-rotor torque T_{st} / T_N	堵转电流 Locked-rotor current I_{st} / I_N	冷却空气流量 Cooling air flow	转动惯量 Moment of Inertia	
											转子 Rotor	最大外拖 [1] External max. perm.
	kW	r/min	A	%		Nm				m^3/s	kg m^2	kg m^2
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	1489	238	96.9	0.89	22783	2.1	0.6	5	4.25	79.5	725
1QD1 564-4FA80-0HG2	4000	1491	268	97	0.89	25635	2.3	0.65	5.5	4.2	90	835
1QD1 566-4FA80-0HG2	4500	1491	300	97.2	0.89	28837	2.35	0.65	5.6	4.3	99.5	885
1QD1 567-4FA80-0HG2	5000	1491	334	97.2	0.89	32046	2.3	0.7	5.6	4.25	109.5	935
1QD1 568-4FA80-0CG2	5600	1490	369	97.3	0.9	35911	2.2	0.65	5.3	4.2	119	940

[1] 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

[1] 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 Order No.	额定功率 Rated power P_N	额定转速 Rated speed n_N	额定电流 Rated current n_N	效率 Efficiency	功率因数 Power factor	额定转矩 Rated torque T_N	颠覆转矩 Breakdown torque T_{max} / T_N	堵转转矩 Locked-rotor torque T_{st} / T_N	堵转电流 Locked-rotor current I_{st} / I_N	冷却空气流量 Cooling air flow	转动惯量 Moment of Inertia	
											转子 Rotor	最大外拖 [1] External max. perm.
	kW	r/min	A	%		Nm				m^3/s	kg m^2	kg m^2
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

[1] 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

[1] 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 Order No.	额定功率 Rated power P_N	额定转速 Rated speed n_N	额定电流 Rated current n_N	效率 Efficiency	功率因数 Power factor	额定转矩 Rated torque T_N	颠覆转矩 Breakdown torque T_{max} / T_N	堵转转矩 Locked-rotor torque T_{st} / T_N	堵转电流 Locked-rotor current I_{st} / I_N	冷却空气流量 Cooling air flow	转动惯量 Moment of Inertia	
											转子 Rotor	最大外拖 [1] External max. perm.
	kW	r/min	A	%		Nm				m^3/s	kg m^2	kg m^2
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

[1] 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%

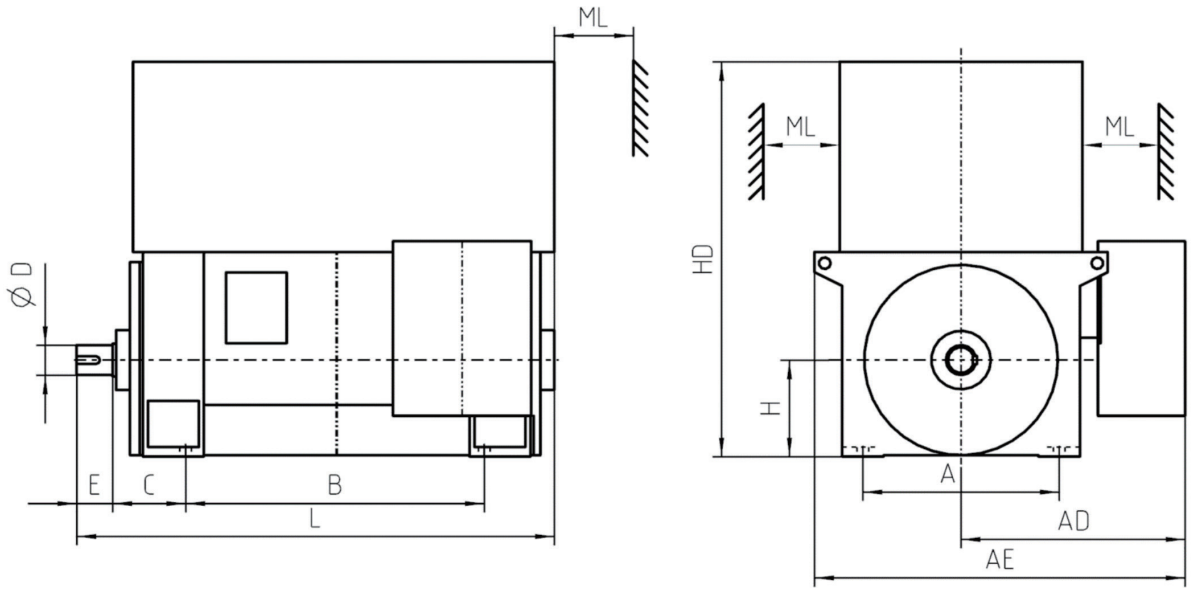
上述电气参数为典型值，具体保证值可根据需求提供

[1] 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

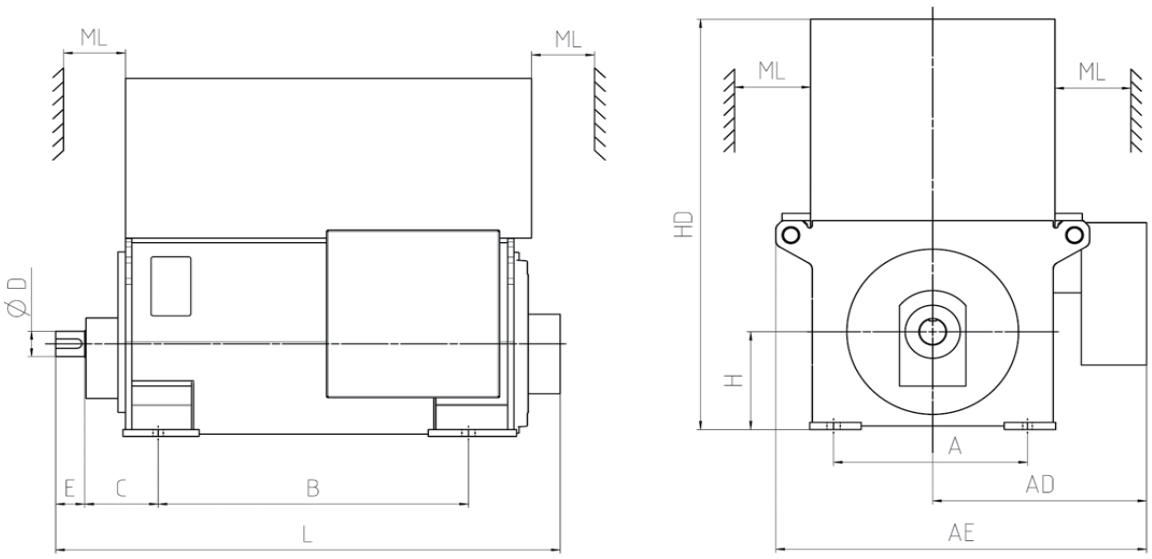
外形及安装尺寸图
Outline and Installation Dimensions



2 极 10 kV 50 Hz IC01

订货号 Order No.	Total weight 电机总重	Dimensions 尺寸											Dyn. Foundation Loading 基础动态负荷	
		A	AD	AE	B	C	D	H	E	HD	L	ML	tension up 向上	compression down 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

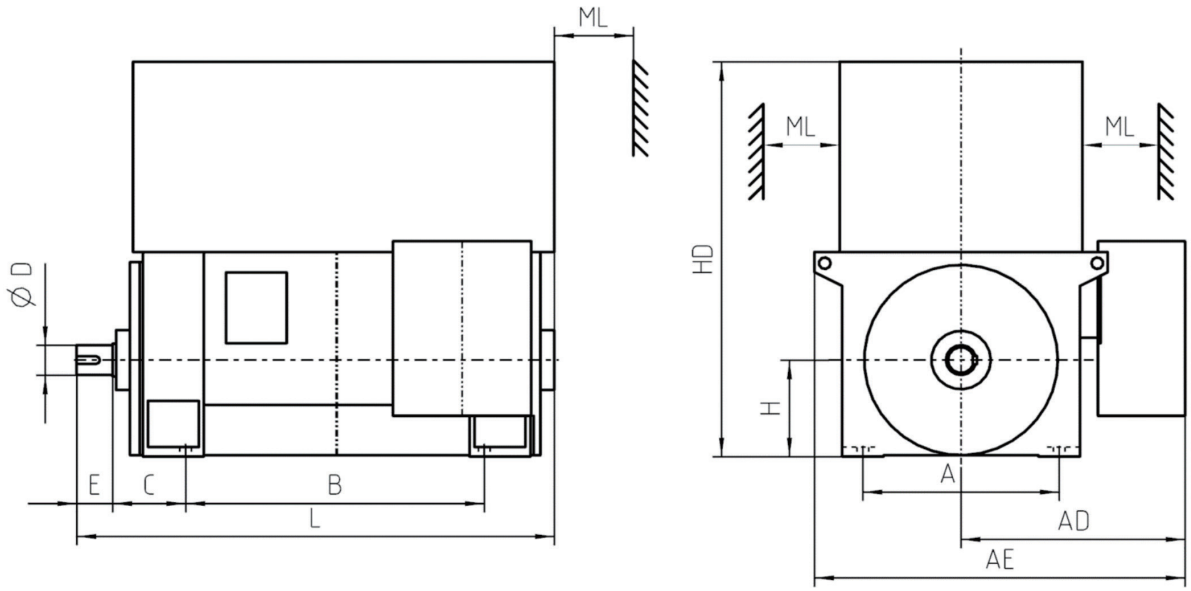
外形及安装尺寸图
Outline and Installation Dimensions



2 极 10 kV 50 Hz IC01

订货号 Order No.	Total weight 电机总重	Dimensions 尺寸											Dyn. Foundation Loading 基础动态负荷	
		A	AD	AE	B	C	D	H	E	HD	L	ML	tension up 向上	compression down 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

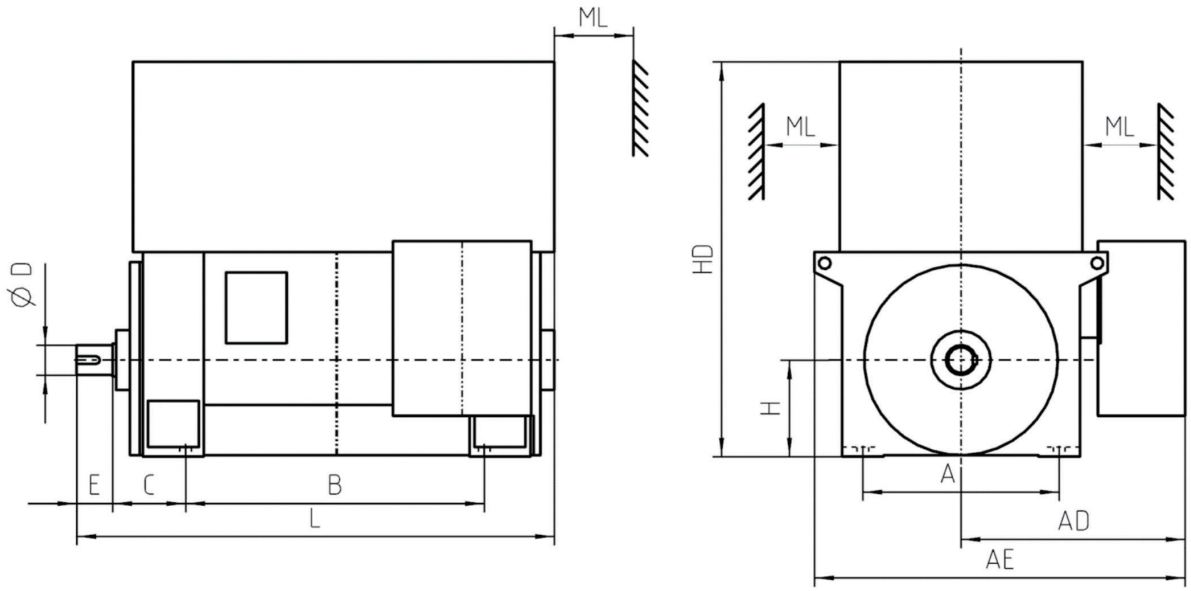
外形及安装尺寸图
Outline and Installation Dimensions



4 极 10 kV 50 Hz IC01

订货号 Order No.	Total weight 电机总重	Dimensions 尺寸											Dyn. Foundation Loading 基础动态负荷	
		A	AD	AE	B	C	D	H	E	HD	L	ML	tension up 向上	compression down 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

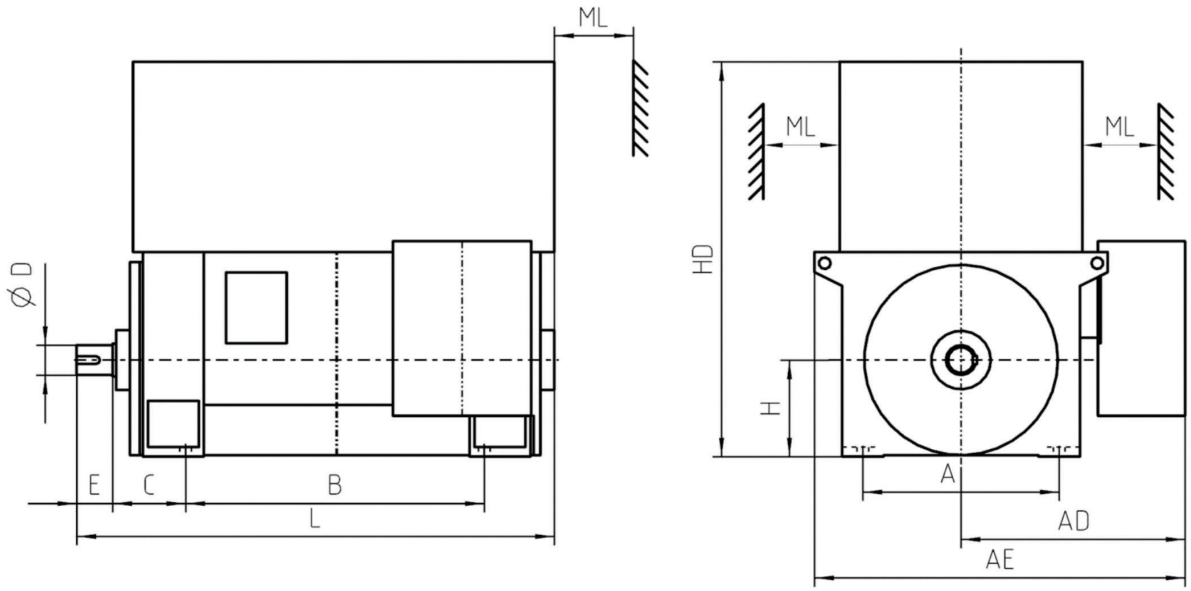
外形及安装尺寸图
Outline and Installation Dimensions



6 极 10 kV 50 Hz IC01

订货号 Order No.	Total weight 电机总重	Dimensions 尺寸											Dyn. Foundation Loading 基础动态负荷	
		A	AD	AE	B	C	D	H	E	HD	L	ML	tension up 向上	compression down 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 Order No.	Total weight 电机总重	Dimensions 尺寸											Dyn. Foundation Loading 基础动态负荷	
		A	AD	AE	B	C	D	H	E	HD	L	ML	tension up 向上	compression down 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

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