



弹簧机构减速电动机

Spring Charge DC Gear Motor



关于我们 About Us

作为机电传动领域的创新者，我们的目标是为您提供创新而高效的系统解决方案，以满足您的各种需求。

高精度不仅是一个重要的衡量尺度，也表现了我们所有产品与服务特质。我们拥有在减速电机制造和传动设备领域超过 20 年的专业经验，因此在涉及到传动系统的选型和计算方面，我们的专业知识是毋庸置疑的。关于如何选择及应用减速电机，我们乐于与您分享我们的专业知识。

我们的宗旨就是让所有的用户都可从我们专业的顾问服务及出色的技术支持中获得最大的经济效益。

主要产品：

- 行星减速器及行星减速电机
- 交流伺服电机及驱动器
- 微型齿轮减速电机
- 中型齿轮减速电机
- 谐波减速器
- 蜗轮蜗杆减速器及减速电机
- 无刷电机、可逆电机、步进电机
- 准双曲面齿轮（直交轴）减速电机
- 电动滚筒电机
- 断路器、高压开关及其它电力设备专用电机等

As an innovator in the field of electromechanical transmission, our goal is to provide you with innovative and efficient system solutions to meet your various needs.

High precision is not only an important measure, but also shows the characteristics of all our products and services. We have more than 20 years of professional experience in the field of geared motor manufacturing and transmission equipment, so our expertise is beyond doubt when it comes to the selection and calculation of transmission systems. Regarding how to choose and apply geared motors, we are happy to share our expertise with you.

Our aim is to allow all users to obtain the greatest economic benefits from our professional consulting services and excellent technical support.

Main products:

- Planetary reducer and planetary reducer motor
- AC Servo Motor and Driver
- Micro gear motor
- Medium gear reducer motor
- Harmonic reducer
- Worm gear reducer and reduction motor
- Brushless motor, reversible motor, stepper motor
- Hypoid gear (right-angle shaft) geared motor
- Drum motor
- Circuit breakers, high voltage switches and other special motors for power equipment, etc.

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弹簧机构减速电动机

Spring Charge DC Gear Motor

弹簧机构减速电动机 Spring Charge DC Gear Motor

产品概述 Product Description

弹簧机构减速电动机主要配套于智能断路器、高压真空断路器等设备的弹簧操作机构，为内部动力之源。本产品安装简单、运行稳定、高效率、长寿命、具有小型化、低噪音、免维护之特点，为电力设备实施远程智能控制提供永备的保障。

Spring Charge DC Gear Motor are mainly used in the spring operating mechanism of smart circuit breakers, high-voltage vacuum circuit breakers and other equipment, as the source of internal power.

产品型号说明 Product Model Description

ZYJ - 220 - 53 - 223S
(1) (2) (3) (4)

(1) 产品代号 Product code	直流永磁减速电动机 DC permanent magnet reduction motor
(2) 电机额定电压 (V) Motor rated voltage (V)	220—220V、110—110V、48—48V、24—24V
(3) 电机机壳外径 (mm) Outer diameter of motor housing (mm)	66—66mm、65—65mm、62—62mm、53—53mm
(4) 设计序列号及特性 Design serial number and characteristics	223S、106Z、901 等

通用技术条件 General Technical Specification

绝缘耐压强度 Compressive strength of insulation	电机电压 <48: 线圈及机壳以 50Hz, 500V 电压加入 1 分钟无异常 Motor voltage <48: Add the coil and housing at 50Hz, 500V voltage for 1 minute without any abnormality
	电机电压 >48: 线圈及机壳以 50Hz, 1500V 电压加入 1 分钟无异常 Motor voltage >48: Add the coil and housing at 50Hz, 1500V voltage for 1 minute without any abnormality
绝缘等级 Insulation grade	E 种 (120°C)
工作时间 Working time	S2=1min 短时间工作时, 弹簧机构减速电动机均采用 S2 工作制 S2= When working for a short time of 1min, the Spring Charge DC Gear Motor adopts S2 working system
	S1 长时间工作时 S1 When working long hours
环境温度 Environment temperature	-20°C~+60°C
使用温度 Operating temperature	85% 不结露状态

注意事项 Note

- 1、电机外壳应接地，以避免机壳产生静电高压伤人。
 - 2、短时工作制为间歇工作，避免长时间工作以免烧毁电机。
 - 3、电机引出线避免用力拖拉，以免损坏内部组件。
 - 4、已装好齿轮减速器不要随意拆装，以免灰尘进入或齿轮啮合不好产生噪音。
 - 5、减速机输出轴部不能敲打、挤压、以免造成内部变形，产生严重噪音及卡死现象。
1. The motor shell should be grounded to prevent the shell from generating electrostatic high voltage and hurting people.
 2. The short-time work system is intermittent work, avoid working for a long time to avoid burning the motor.
 3. Avoid pulling the motor lead wire to avoid damage to internal components.
 4. Do not disassemble and assemble the gear reducer that has been installed, so as to prevent dust from entering or noise due to poor gear meshing.
 5. The output shaft of the reducer should not be knocked or squeezed to avoid internal deformation, serious noise and jamming.

ZYJ220-53-223S 弹簧机构电动机 ZYJ220-53-223S Spring Charge DC Gear Motor

单向输出，主要配套于 CTB/CT20 弹簧操作机构

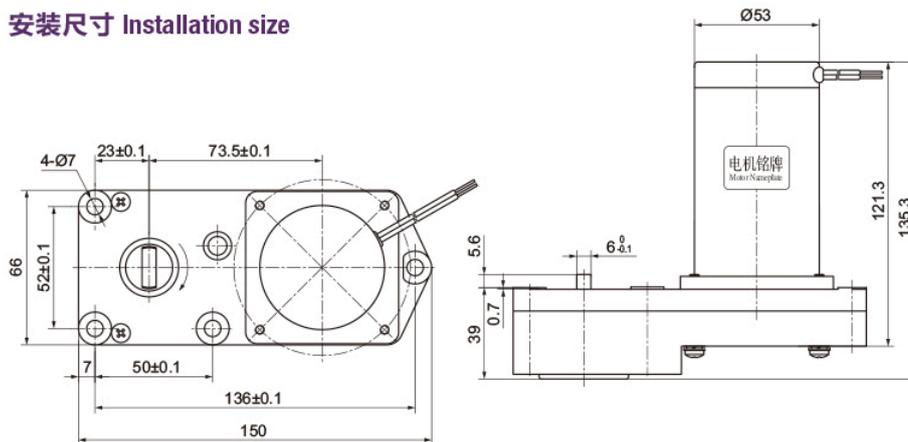
Single output, mainly matched with CTB/CT20 spring operating mechanism

主要技术参数 Technical Parameters

型号 Model	额定电压 Rated Voltage (V)	额定电流 Rated Current (A)	额定功率 Rated Power (W)	额定转速 Rated Speed (r/min)
ZYJ220-53-223S	220	0.35	40	13(17)
ZYJ110-53-223S	110	0.7	40	13(17)
ZYJ48-53-223S	48	2.0	40	13(17)
ZYJ24-53-223S	24	4.0	40	13(17)



安装尺寸 Installation size



ZYJ220-53-222 弹簧机构电动机 ZYJ220-53-222 Spring Charge DC Gear Motor

主要配套于 CT21 弹簧操作机构

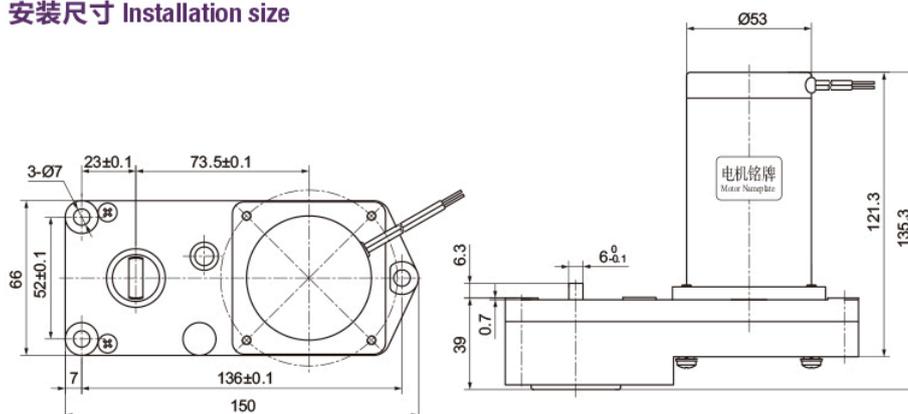
Mainly matched with CT21 spring operating mechanism

主要技术参数 Technical Parameters

型号 Model	额定电压 Rated Voltage (V)	额定电流 Rated Current (A)	额定功率 Rated Power (W)	额定转速 Rated Speed (r/min)
ZYJ220-53-222	220	0.35	40	13(17)
ZYJ110-53-222	110	0.7	40	13(17)
ZYJ48-53-222	48	2.0	40	13(17)
ZYJ24-53-222	24	4.0	40	13(17)



安装尺寸 Installation size



弹簧机构减速电动机

Spring Charge DC Gear Motor

ZYJ220-53-223NS 弹簧机构电动机 ZYJ220-53-223NS Spring Charge DC Gear Motor

单向输出，集电动手动于一体，主要配套于 ZW32-1D 弹簧操作机构。

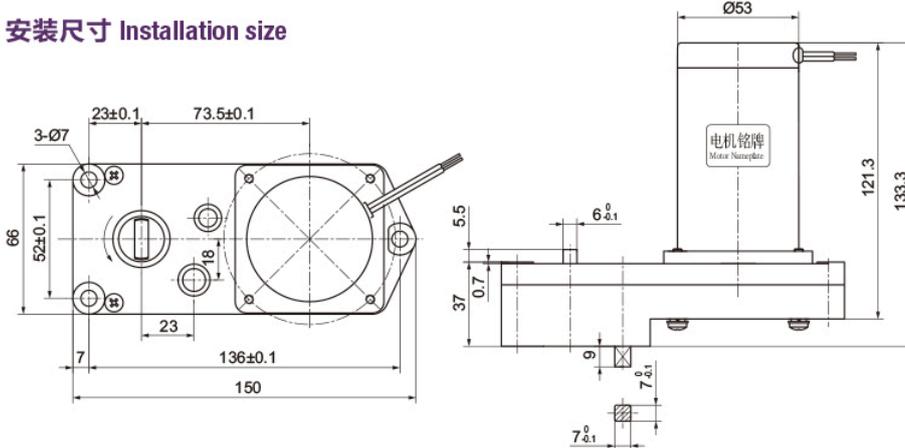
Single output, integrating electric and manual operation, is mainly matched with ZW32-1D spring operating mechanism.

主要技术参数 Technical Parameters

型号 Model	额定电压 Rated Voltage (V)	额定电流 Rated Current (A)	额定功率 Rated Power (W)	额定转速 Rated Speed (r/min)
ZYJ220-53-223NS	220	0.5	40	13(17)
ZYJ110-53-223NS	110	1.0	40	13(17)
ZYJ48-53-223NS	48	2.3	40	13(17)
ZYJ24-53-223NS	24	4.6	40	13(17)



安装尺寸 Installation size



ZYJ220-66-222 弹簧机构电动机 ZYJ220-66-222 Spring Charge DC Gear Motor

主要配套于 CT25 弹簧操作机构。

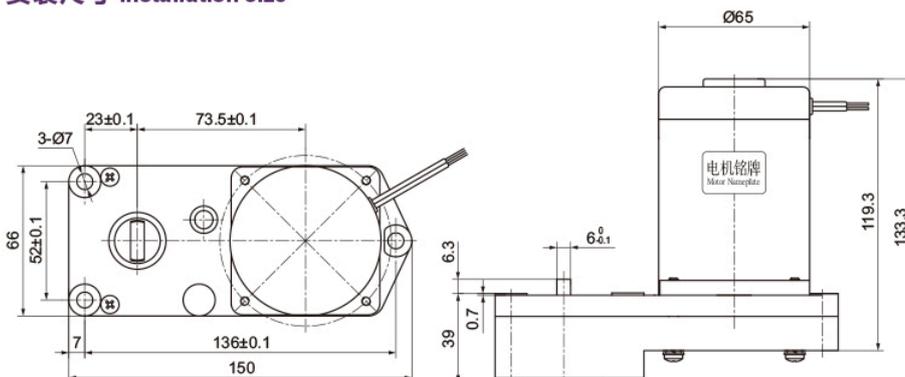
Mainly matched with CT25 spring operating mechanism.

主要技术参数 Technical Parameters

型号 Model	额定电压 Rated Voltage (V)	额定电流 Rated Current (A)	额定功率 Rated Power (W)	额定转速 Rated Speed (r/min)
ZYJ220-66-222	220	0.7	70	17
ZYJ110-66-222	110	1.4	70	17
ZYJ48-66-222	48	3.0	70	17
ZYJ24-66-222	24	5.0	70	17



安装尺寸 Installation size



ZYJ220-66-106Z 弹簧机构电动机 ZYJ220-66-106Z Spring Charge DC Gear Motor

单向输出，集电动手动于一体，主要配套于 VS1 弹簧操作机构

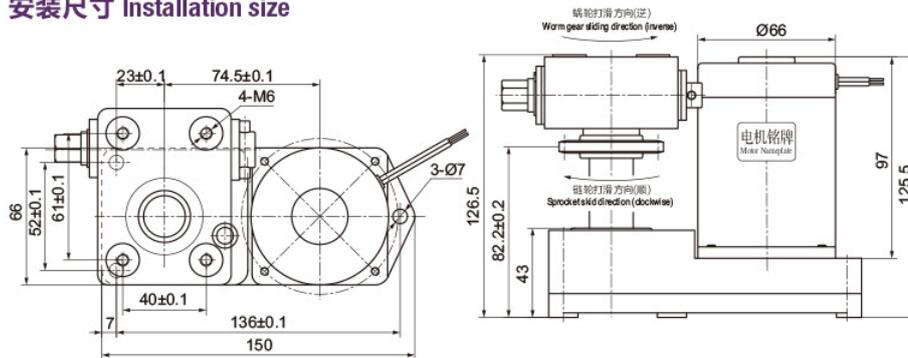
Single output, integrating electric and manual operation, is mainly matched with VS1 spring operating mechanism.

主要技术参数 Technical Parameters

型号 Model	额定电压 Rated Voltage (V)	额定电流 Rated Current (A)	额定功率 Rated Power (W)	额定转速 Rated Speed (r/min)
ZYJ220-66-106Z	220	0.7	70	17
ZYJ110-66-106Z	110	1.4	70	17
ZYJ48-66-106Z	48	3.0	70	17
ZYJ24-66-106Z	24	5.0	70	17
ZYJ220-66-106ZD	220	1.2	120	17
ZYJ110-66-106ZD	110	2.4	120	17



安装尺寸 Installation size



ZYJ220-66-128 弹簧机构电动机 ZYJ220-66-128 Spring Charge DC Gear Motor

主要配套于 VBI 弹簧操作机构

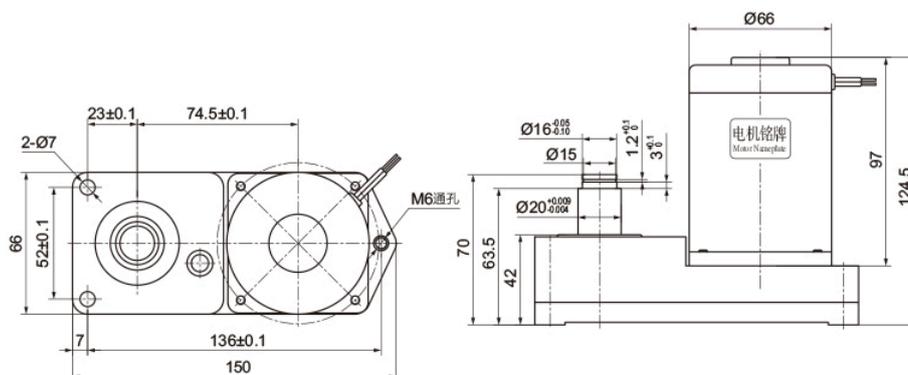
Mainly matched with VBI spring operating mechanism

主要技术参数 Technical Parameters

型号 Model	额定电压 Rated Voltage (V)	额定电流 Rated Current (A)	额定功率 Rated Power (W)	额定转速 Rated Speed (r/min)
ZYJ220-66-128	220	0.7	70	17
ZYJ110-66-128	110	1.4	70	17
ZYJ48-66-128	48	3.0	70	17
ZYJ24-66-128	24	5.0	70	17



安装尺寸 Installation size



弹簧机构减速电动机

Spring Charge DC Gear Motor

ZYJ220-66-207 弹簧机构电动机 ZYJ220-66-207 Spring Charge DC Gear Motor

双向离合，齿轮输出，可正反转储能，主要配套于 ZFN12 弹簧操作机构。

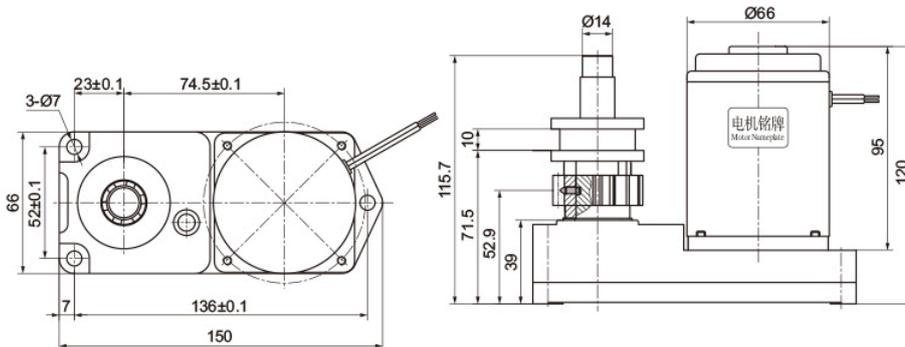
Double clutch, gear output, can be forward and reverse energy storage, mainly matched with ZFN12 spring operating mechanism.

主要技术参数 Technical Parameters

型号 Model	额定电压 Rated Voltage (V)	额定电流 Rated Current (A)	额定功率 Rated Power (W)	额定转速 Rated Speed (r/min)
ZYJ220-66-207	220	1.2	120	17
ZYJ110-66-207	110	2.4	120	17



安装尺寸 Installation size



ZYJ220-66-208 弹簧机构电动机 ZYJ220-66-208 Spring Charge DC Gear Motor

双排链轮输出，带双向离合器，可正反转储能，主要配套于真空负荷开关。

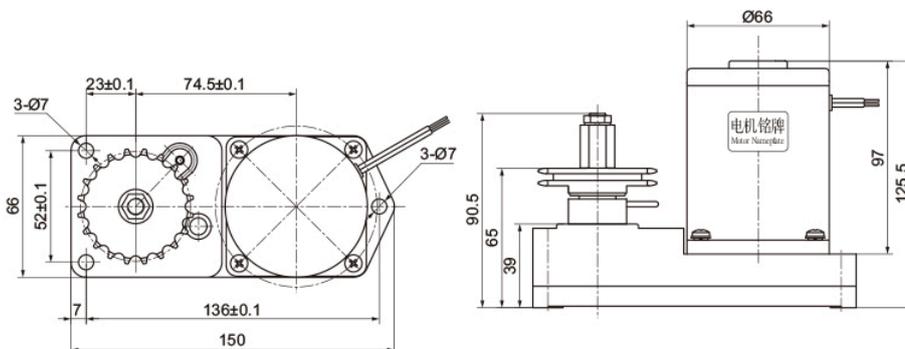
Double-row sprocket output, with two-way clutch, can be forward and reverse energy storage, mainly matched with vacuum load switch.

主要技术参数 Technical Parameters

型号 Model	额定电压 Rated Voltage (V)	额定电流 Rated Current (A)	额定功率 Rated Power (W)	额定转速 Rated Speed (r/min)
ZYJ220-66-208	220	0.9	90	17
ZYJ110-66-208	110	1.8	90	17



安装尺寸 Installation size



ZYJ220-66-103S 弹簧机构电动机 ZYJ220-66-103S Spring Charge DC Gear Motor

单向输出，主要配套于 CT19/CT23 弹簧操作机构。

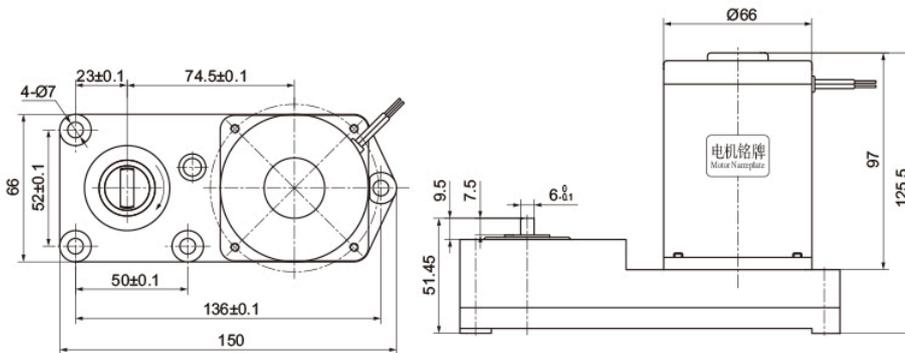
Single output, mainly matched with CT19/CT23 spring operating mechanism.

主要技术参数 Technical Parameters

型号 Model	额定电压 Rated Voltage (V)	额定电流 Rated Current (A)	额定功率 Rated Power (W)	额定转速 Rated Speed (r/min)
ZYJ220-66-103S	220	0.7	70	17
ZYJ110-66-103S	110	1.4	70	17



安装尺寸 Installation size



ZYJ220-66-701S 弹簧机构电动机 ZYJ220-66-701S Spring Charge DC Gear Motor

单向输出，主要配套于 CT32 小型化弹簧操作机构。

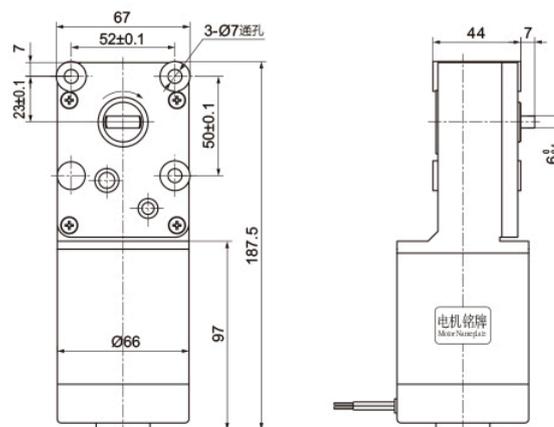
Single output, mainly matched with CT32 spring operating mechanism.

主要技术参数 Technical Parameters

型号 Model	额定电压 Rated Voltage (V)	额定电流 Rated Current (A)	额定功率 Rated Power (W)	额定转速 Rated Speed (r/min)
ZYJ220-66-701S	220	0.7	70	17
ZYJ110-66-701S	110	1.4	70	17
ZYJ48-66-701S	48	3.0	70	17
ZYJ24-66-701S	24	5.0	70	17



安装尺寸 Installation size



弹簧机构减速电动机

Spring Charge DC Gear Motor

ZYJ220-66-412 弹簧机构电动机 ZYJ220-66-412 Spring Charge DC Gear Motor

主要配套于 3AV3 弹簧操作机构

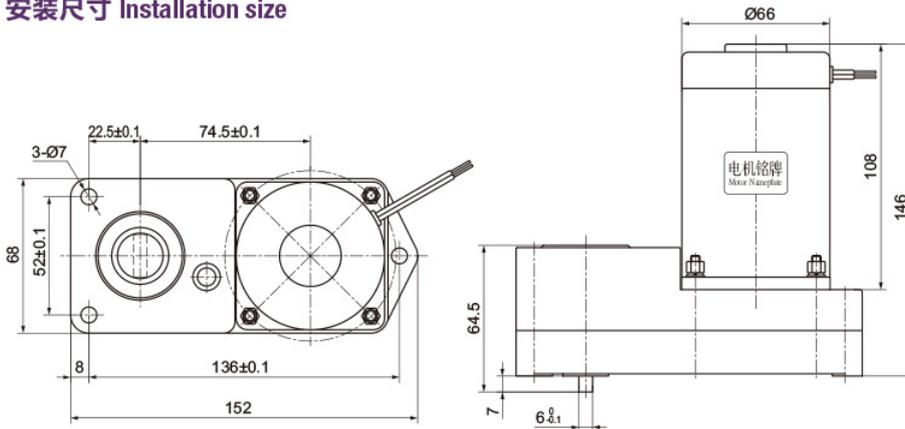
Mainly matched with 3AV3 spring operating mechanism.

主要技术参数 Technical Parameters

型号 Model	额定电压 Rated Voltage (V)	额定电流 Rated Current (A)	额定功率 Rated Power (W)	额定转速 Rated Speed (r/min)
ZYJ220-66-412	220	1.8	250	17
ZYJ110-66-412	110	3.6	250	17



安装尺寸 Installation size



ZYJ220-40-312 弹簧机构电动机 ZYJ220-40-312 Spring Charge DC Gear Motor

主要配套于电气设备电动底盘车

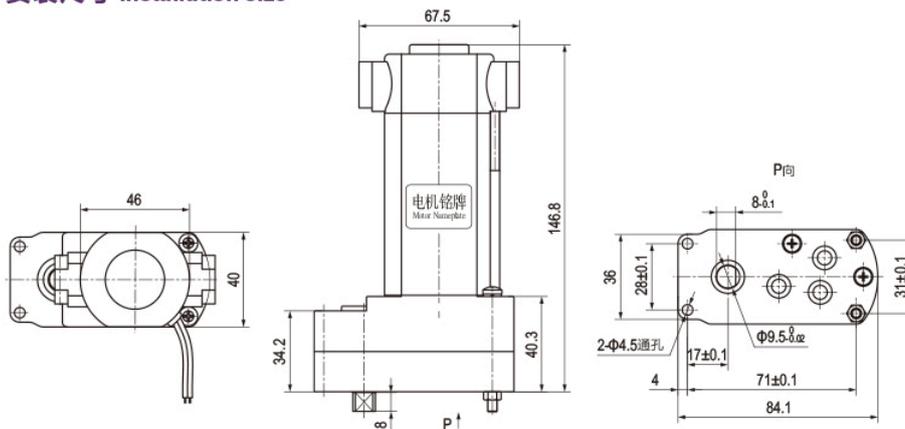
Mainly supporting electric equipment electric chassis vehicles.

主要技术参数 Technical Parameters

型号 Model	额定电压 Rated Voltage (V)	额定电流 Rated Current (A)	额定功率 Rated Power (W)	额定转速 Rated Speed (r/min)
ZYJ220-40-312	220	1.8	180	49
ZYJ110-40-312	110	3.6	180	49



安装尺寸 Installation size



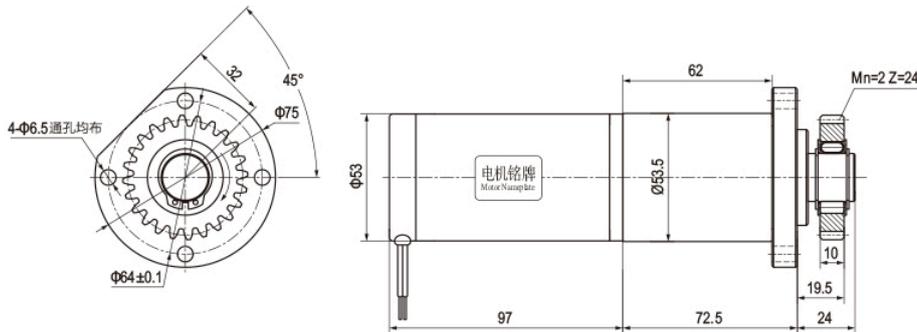
ZYJ220-53-801 弹簧机构电动机 ZYJ220-53-801 Spring Charge DC Gear Motor

行星齿轮结构，单向输出，主要配套于 SIS 固体绝缘柜
Planetary gear structure, one-way output, mainly matched with SIS solid insulation cabinet.

主要技术参数 Technical Parameters

型号 Model	额定电压 Rated Voltage (V)	额定电流 Rated Current (A)	额定功率 Rated Power (W)	额定转速 Rated Speed (r/min)
ZYJ220-53-801	220	0.5	40	27
ZYJ110-53-801	110	1.0	40	27
ZYJ48-53-801	48	2.3	40	27
ZYJ24-53-801	24	4.6	40	27

安装尺寸 Installation size



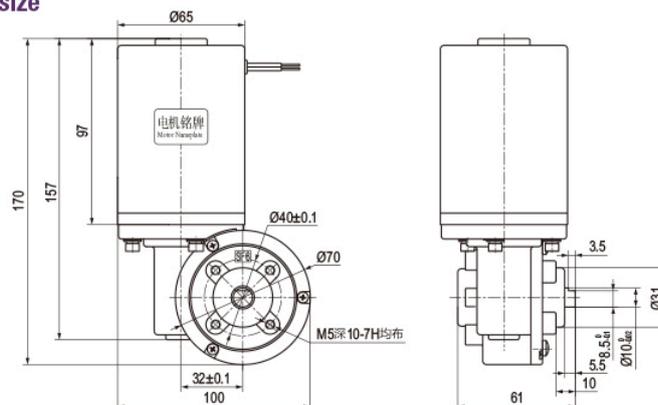
ZYJ220-65-501 弹簧机构电动机 ZYJ220-65-501 Spring Charge DC Gear Motor

主要配套于 SF6 充气柜
Mainly matched with SF6 inflatable cabinet

主要技术参数 Technical Parameters

型号 Model	额定电压 Rated Voltage (V)	额定电流 Rated Current (A)	额定功率 Rated Power (W)	额定转速 Rated Speed (r/min)
ZYJ220-65-501	220	0.6	65	195
ZYJ110-65-501	110	1.2	65	195
ZYJ48-65-501	48	2.5	65	195
ZYJ24-65-501	24	5.0	65	195

安装尺寸 Installation size



弹簧机构减速电动机

Spring Charge DC Gear Motor

ZYJ220-62-901 弹簧机构电动机 ZYJ220-62-901 Spring Charge DC Gear Motor

集电动手动于一体，主要配套于 VS1+ 弹簧操作机构。

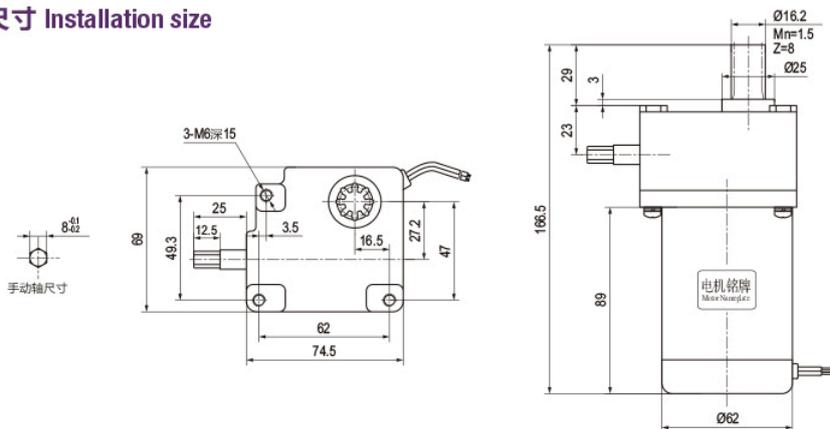
Integrating electric and manual operation, mainly supporting VS1+ spring operating mechanism.

主要技术参数 Technical Parameters

型号 Model	额定电压 Rated Voltage (V)	额定电流 Rated Current (A)	额定功率 Rated Power (W)	额定转速 Rated Speed (r/min)
ZYJ220-62-901	220	0.9	90	155
ZYJ110-62-901	110	1.8	90	155
ZYJ48-62-901	48	3.5	90	155
ZYJ24-62-901	24	6.5	90	155



安装尺寸 Installation size



ZYJ220-62-902 弹簧机构电动机 ZYJ220-62-902 Spring Charge DC Gear Motor

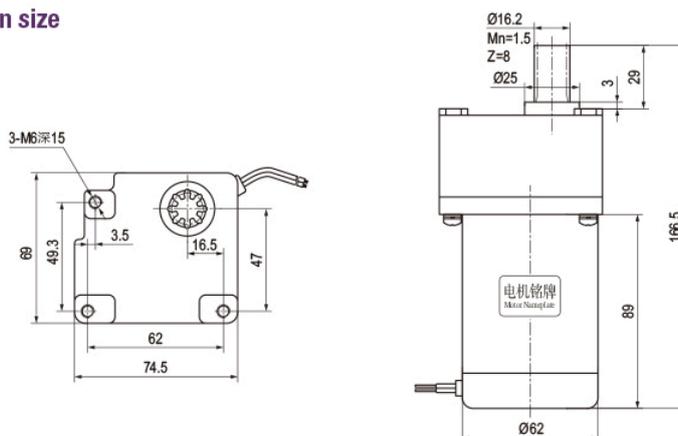
主要配套于 VS1+ 弹簧操作机构。

Mainly supporting VS1+ spring operating mechanism.

主要技术参数 Technical Parameters

型号 Model	额定电压 Rated Voltage (V)	额定电流 Rated Current (A)	额定功率 Rated Power (W)	额定转速 Rated Speed (r/min)
ZYJ220-62-902	220	0.9	90	155
ZYJ110-62-902	110	1.8	90	155
ZYJ48-62-902	48	3.5	90	155
ZYJ24-62-902	24	6.5	90	155

安装尺寸 Installation size



ZYJ220-62-90-3200 弹簧机构电动机 ZYJ220-62-90-3200 Spring Charge DC Gear Motor

主要配套于 SF6 充气柜三工位弹簧操作机构。

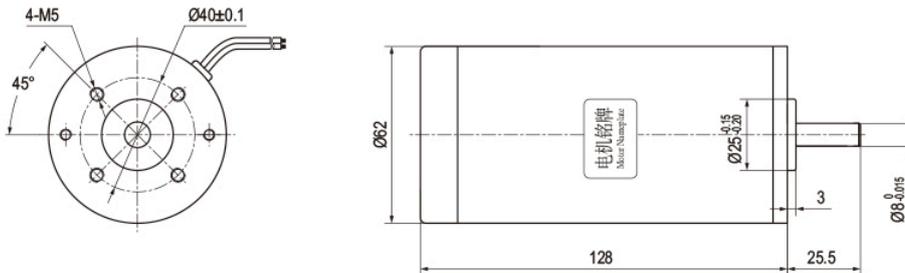
Mainly matched with three-position spring operating mechanism of SF6 inflatable cabinet.

主要技术参数 Technical Parameters

型号 Model	额定电压 Rated Voltage (V)	额定电流 Rated Current (A)	额定功率 Rated Power (W)	额定转速 Rated Speed (r/min)
ZYJ220-62-90-3200	220	0.9	90	3200
ZYJ110-62-90-3200	110	1.8	90	3200
ZYJ48-62-90-3200	48	3.5	90	3200



安装尺寸 Installation size



HDZ-22080B 电机 HDZ-22080B Motor

主要配套于 3AH(ZN65 型) 真空断路器。

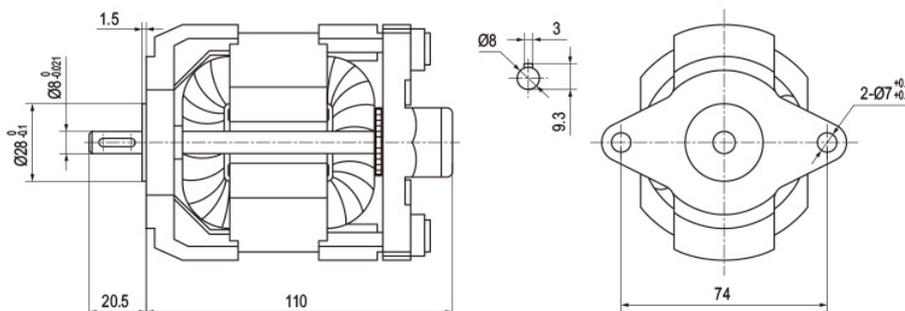
Mainly matched with 3AH(ZN65) vacuum circuit breaker.

主要技术参数 Technical Parameters

型号 Model	额定电压 Rated Voltage (V)	额定电流 Rated Current (A)	额定功率 Rated Power (W)	额定转速 Rated Speed (r/min)
HDZ-22080B	220	1.8	200	8000
HDZ-11080B	110	3.6	200	8000



安装尺寸 Installation size





至臻完美——我们的一贯追求

Perfection is our constant pursuit

台邦为您提供的不仅仅是高性能的产品，更为各行业用户量身定制全套应用解决方案，根据企业个性化需求，为用户提供最适用的产品，最佳的解决方案。通过产品和服务引领客户创新，帮助客户实现效益的最大化。

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台邦集团实施PLM+CAPP、MES、ERP等流程数据集成式管控系统，强化生产过程管理，确保生产过程中的每道工序都能满足产品质量的要求，保证产品零缺陷，使我们的产品在生产过程中亦体现出卓越的品质和潜在的价值。公司建立以“全过程质量观念”为基础的质量工程体系，将品质意识始终贯穿于生产经营的每一个环节。

GPG provides you with not only high performance products, but also a complete set of customized application solutions for users in various industries. According to the personalized needs of enterprises, taibang provides users with the most applicable products and the best solutions. Lead customer innovation through products and services to help customers maximize benefits.

To satisfy customer demand for high quality product, GPG to introduce all kinds of equipment more than 1000 units, including the United States HAAS processing center, kashi rich base of Japan, Japan mitsubishi, ielts for machining center, Japan okamoto, grinding machine, HAMAI, MAZAK, TSUGAMI and other production equipment, as well as Germany kling berg TTI zhuo, Germany, Japan, the sea, kang and other testing equipment. First-class equipment and perfect quality management system provide reliable guarantee for the quality of products.

GPG Group implements PLM+CAPP, MES, ERP and other process data integrated management and control system to strengthen the production process management, to ensure that every process in the production process can meet the requirements of product quality, to ensure that the product has zero defects, so that our products in the manufacturing process also reflects excellent quality and potential value. The company has established a quality engineering system based on the "whole-process quality concept", and the quality awareness has been running through every link of production and management.



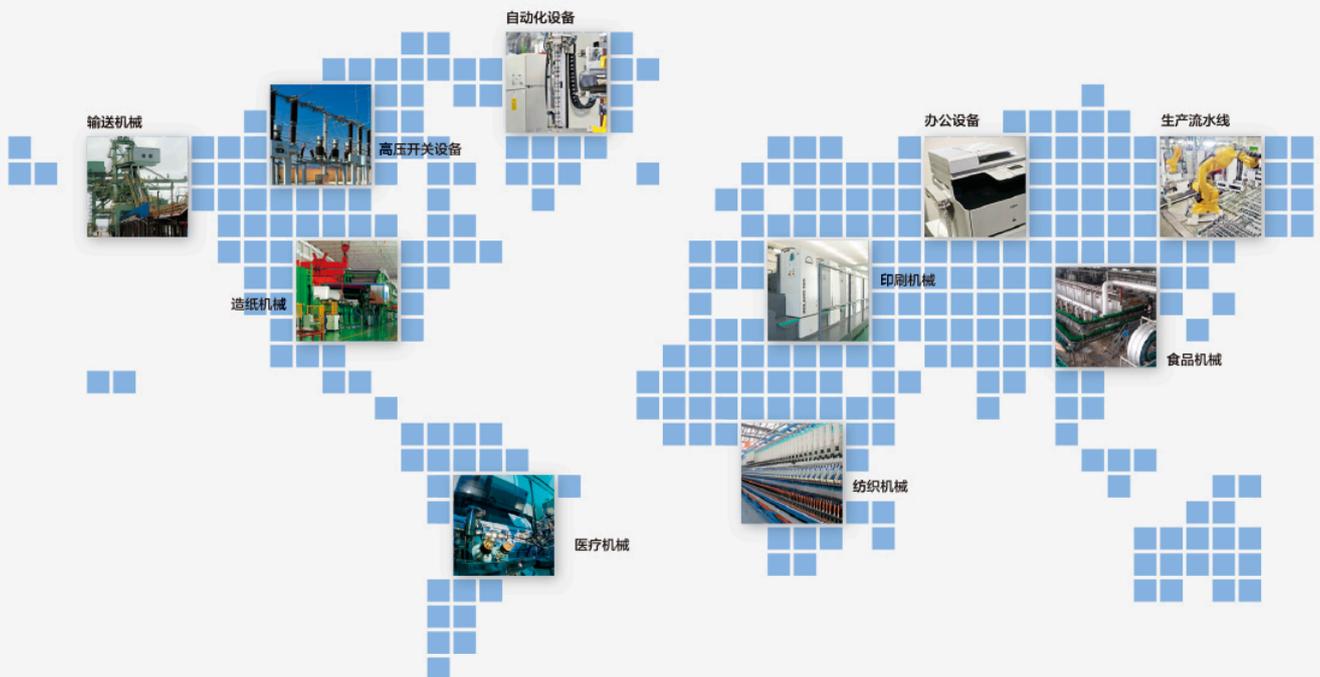


满足您的需求是我们的宗旨——

To meet your needs is our aim

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