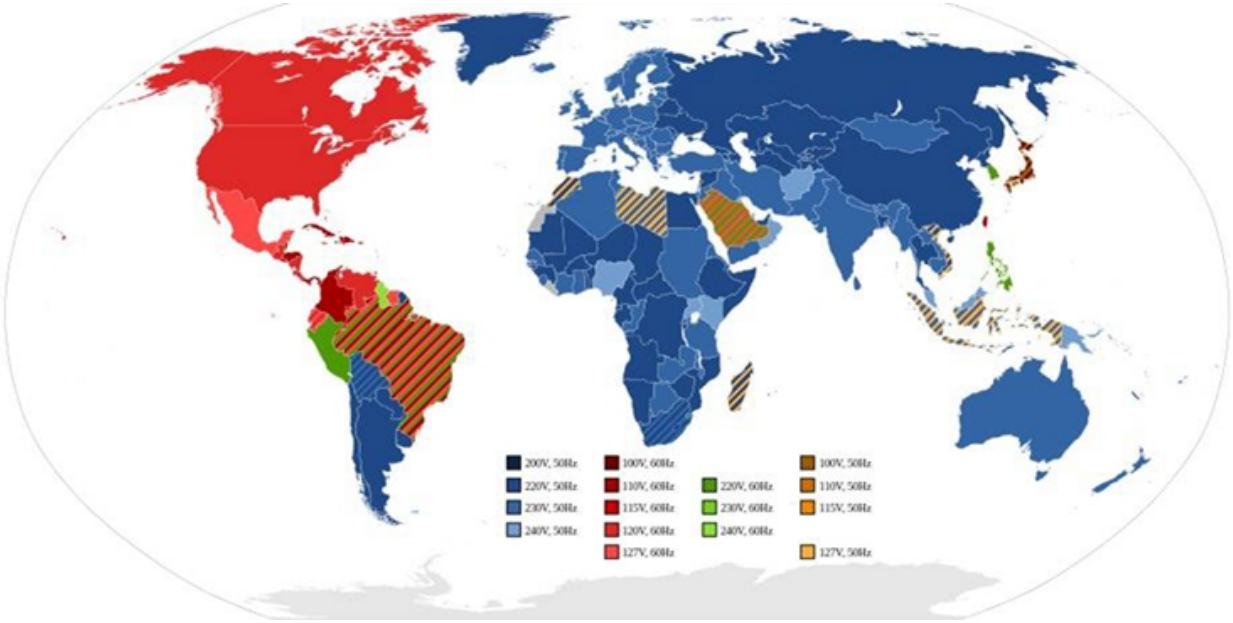
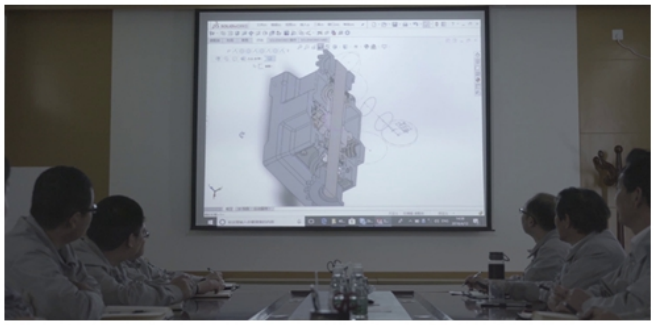
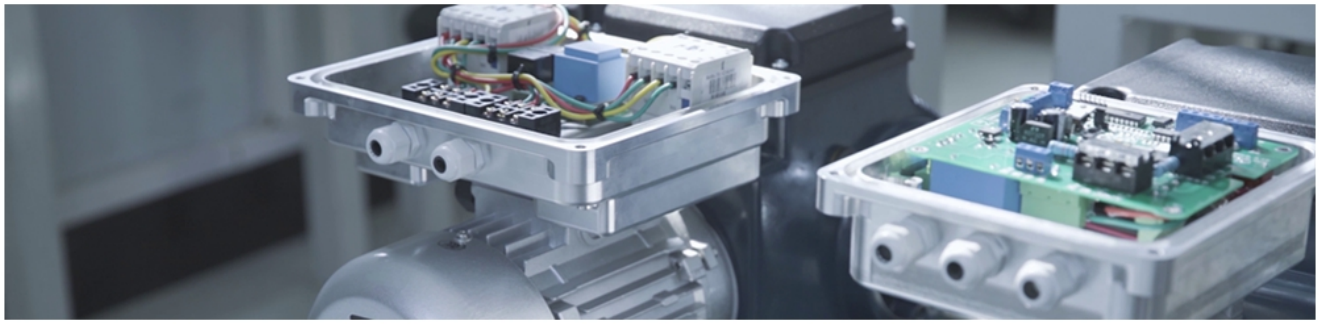
OEM manufacturer Plastic Security Guard Post - 3GG Motor Gearboxes Gear Motor for Glass Greenhouse Ventilation Screening and Shading System - Fenglong Greenhouse

What is Gear Motor?
Gear Motor, also known as Motor Gearboxes, is a specific type of electrical motor that is designed to produce high torque while maintaining a low horsepower, or low speed, motor output. Gear motors can be found in many different applications, especially for the greenhouse, livestock and agricultural industry, our motors are available options to operate roof vents, wall vents,roof shading and screening, they attach to the shaft with chain couplings that compensate for alignment errors and can be easily removed without disturbing the entire shaft.

Exported To 48 Countries:
Fenglong Kingzo® Electric Film Reelers and Gear Motors have been serving customers in 48 countries since 2003.









Three main issues in gear motors that are currently on the market
1) The failure rate of the limit switch is too high, While the limit switch is locked when the gear motor is in operation, if the limit control switch fails, it causes serious damage to the window or curtain system.



2) The braking distance is too long, causing insufficient closure of windows and inadequate curtain covering, and this damages the whole system.





3) Motor burnout due to phase loss or overload of the power supply, greenhouse gear motors are mostly used in rural areas, so the power system often has phase loss, and if a technician fails to install the phase loss protection device in time, the motor will burn out.

3GG Gear Motor: the failure rate of the limited switch has been drastically reduced to 5‰ from 2%
At present, the most common quality problem of a gear motor is damage that occurs to the limit switch control system.
This happens when the self-locking performance of the gear motor fails to be qualified and the braking distance is too long.
Statistical results of advanced gear motors shows that when the braking distance is less than 10mm, the failure rate is greatly reduced.
In addition, outside experts have confirmed that the braking distance of our 3GG® gear motor is less than 10mm (5.2 rpm) and thus the failure rate is reduced to 5‰ from 2%.



3GG Gear Motor: the self-braking performance is excellent and meets the standards of a high precision window opening system
3GG® adopts the final stage worm gear self-locking transmission system, which greatly improves the self-locking performance.Even the braking distance of the 5.2 rpm gear motor (usually 2.6 rpm) can reach less than 10mm, which fully meets the requirements of a high-precision windowing system and prolongs the product life.



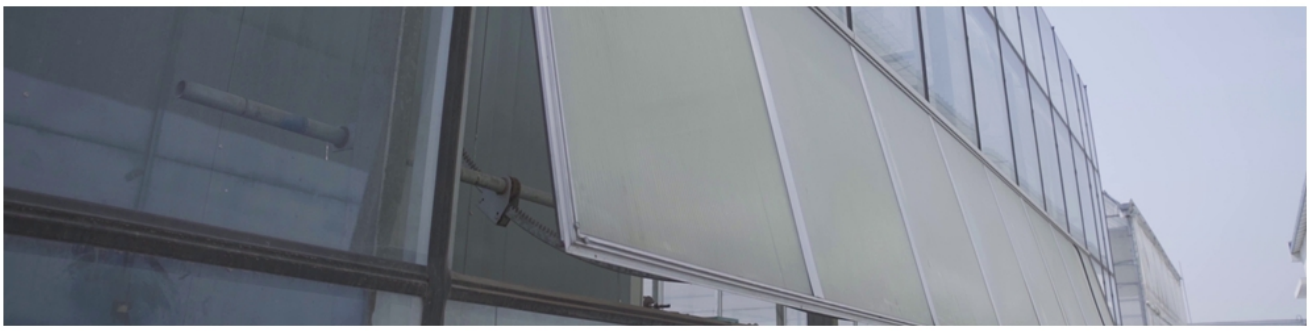
3GG Gear Motor: overload protection and power phase loss protection function added
Our 3GG® gear motor has added overload protection and power phase loss protection functions to the limit switch control system.
When the three-phase power supply becomes two-phase, it automatically stops.When the load exceeds 1.5 times the rated load, it also automatically stops. After the fault is removed, the motor will run again, thus greatly reducing the number of after-sales services.



3GG Gear Motor: manual opening and closing device added for power failure
In the livestock industry, when the windows of a barn are closed, the indoor temperature rises rapidly due to the power failure, affecting the growth of indoor poultry or even causing a large number of deaths. Manual devices are now added so when the power is off, window opening or curtain pulling can be done via manual operation to ensure the barn or greenhouse continue to operate normally.







Ingress Protection Grade: IP55, Anti-condensation added to protect the safety of circuit diagram

Various Power and Torque for Choosing

Product Code	Model	Voltage	Power	Torque	Currency	Full Revolution	Output Shaft Limit	Output Shaft Diameter	Connection Pipe Diameter	Weight	Guarantee
110421000010	G3005	380V	0.55KW	300N.m	1.0A	5.2r/min	90 rounds	Φ25	Φ34	11KG	3 years
110422000010	G3003	380V	0.55KW	300N.m	1.0A	2.6r/min	90 rounds	Φ25	Φ34	11KG	3 years

Long Lifespan Guarantee
Quality-assured, from purchasing date, within the warranty period, FLC would do full compensate or replace them all for problematic products, because we know you rely on our equiment every day. Fenglong motors have proved themselves in this field over many years of use. Thanks to our meticulous purchasing methods, extensive testing procedures and streamlined production process, we're able to guarantee the highest possible quality. Even small details, such as using every single small bolt and nut, help ensure our motors stand out from the competition.

Packing and Delivery





Product Presentation

Product link：https://www.wigglewires.com/?p=246708