



PRODUCT CATALOG

Professional livestock environment equipment manufacturer



Innovation Dedication Reliability Creditability

Company profile

We are a professional manufacturer specialized for gear motor and environment control equipment for livestock industry and dedicated to research, manufacturing and sale of facility agricultural machines and electronic products. Main products include gear motor, electrical winch, climate controller, which are widely used in the field of ventilation, curtain system and hoisting of livestock house, and we also provide different types of agricultural curtain systems.

The company headquarter is located in Beijing, with 3 R&D centers, has modern workshop under cover of 40,000 square meters. Products have been exported to more than 60 countries and regions all around the world, accordingly, a total quality management system with traceability was established.

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01 Gear Motor Series



3GG® Gear Motor



3GG® Triple Protection and Self-locking Gear Motor

01 The built-in integrated control box reduces the cost of electric control and cable.

02 Manual and automatic mode switching can realize installation and debugging by one person.

03 Built-in "overload, open-phase, commutation" protection device.

Model	Voltage	Power	Current	RPM	Torque	Braking distance	Weight
G400A-250-1.3	AC380V	250W	1.1A	1.3 r/min	400N·m	≤10mm	23Kg
	AC380V	550W	1.5A	2.6 r/min	400N·m	≤10mm	21Kg
	AC220V	550W	3.2A	2.6 r/min	400N·m	≤10mm	21Kg
	AC380V	550W	1.9A	5.2 r/min	400N·m	≤10mm	22Kg
	AC220V	550W	3.6A	5.2 r/min	400N·m	≤10mm	22Kg
	AC380V	750W	2.0A	2.6 r/min	800N·m	≤10mm	33Kg
	AC380V	1100W	3.0A	5.2 r/min	800N·m	≤10mm	35Kg
	AC380V	1100W	2.6A	2.6 r/min	1200N·m	≤10mm	35Kg
	AC380V	1500W	3.5A	5.2 r/min	1200N·m	≤10mm	37Kg



Spare parts can be customized.

01 The Built-in Potentiometer makes sure precise position feedback.

02 The special mechanical design reduces complaints rate.

03 Excellent Self-locking function with braking distance less than 10mm.

04 The motor adds "overload, open-phase" protection function.



Model	Voltage	Power	Current	RPM	Torque	Braking distance	Weight
G400-250-1.3	AC 380V	250W	1.1A	1.3 r/min	400N·m	≤10mm	21Kg
	AC 380V	550W	1.5A	2.6 r/min	400N·m	≤10mm	20Kg
	AC 380V	550W	1.9A	5.2 r/min	400N·m	≤10mm	20Kg
	AC 220V	550W	3.2A	2.6 r/min	400N·m	≤10mm	21Kg
	AC 220V	550W	3.6A	5.2 r/min	400N·m	≤10mm	22Kg
	AC 380V	750W	2.0A	2.6 r/min	800N·m	≤10mm	32Kg
	AC 380V	1100W	3.0A	5.2 r/min	800N·m	≤10mm	34Kg
	AC 380V	1100W	2.6A	2.6 r/min	1200N·m	≤10mm	34Kg
	AC 380V	1500W	3.5A	5.2 r/min	1200N·m	≤10mm	36Kg





KINGZO®

Cable-Winch Gear Motor

1. Double limit switch design, with working and safe limit switch can ensure more reliable system operation.
2. Built-in "overload, open-phase" protection device.
- 03 Three years warranty.

Model	Voltage	Power	Current	RPM	Torque	Weight
GMA250-D-600-1.3C	AC380V	250W	1.1 A	1.3r/min	600N·m	25Kg
GMA550-D-600-2.6C	AC380V	550W	1.6 A	2.6r/min	600N·m	26Kg
GMA550-D-800-1.3C	AC380V	550W	1.4 A	1.3r/min	800N·m	24Kg
GMA750-D-800-2.6	AC 380V	750W	2.0A	2.6r/min	800N·m	28Kg



Applications: Air inlet system, tunnel door system.

KINGZO® Gear Motor



Nest Expel System



Guillotine Ventilation



Tunnel door R&P system

- 01 Double limit switch design, with working and safe limit switch can ensure more reliable system operation.
- 02 Built-in "overload, open-phase" protection device.
- 03 Three years warranty.



Model	Voltage	Power	Current	RPM	Torque	Weight
GMA750-D-600-5.2	AC 380V	550W	1.8A	5.2r/min	400N·m	25Kg
	AC 380V	550W	1.6A	2.6r/min	600N·m	26Kg
	AC 380V	750W	2.2A	5.2r/min	600N·m	27Kg
	AC 380V	750W	2.0A	2.6r/min	800N·m	28Kg



Spare parts can be customized.



Rack and Pinion Roof Vent system



Curtain Vent system



Feeding line Hoisting System

Kingzo® Gear Motor

Kingzo® Gear Motor (250/200N.m)

Easy Installation, Adjustable by one person, Labor-saving

- 01 Excellent self-locking performance 02 With higher dust proof grade of IP65
- 3. Manual release design, in case of power failure, can open or close vent manually in very short time
- 4. Potentiometer is available for precise and intel control 05 Compact structure, small size, light weight.
- 06 With 5 meters external cable, convenient to connect the control cabinet



Model	Voltage	Power	Current	RPM	Torque	Weight	Warranty
GMD180-D-	AC 220V	180W	1.8A	3.0r/min	200N.m	9.0Kg	3years
	DC 24V	180W	15.0A	3.0r/min	200N.m	9.2Kg	3years
	AC 220V	250W	2.0A	3.2r/min	250N.m	9.0Kg	3years
	DC 24V	250W	18.0A	3.2r/min	250N.m	9.0Kg	3years



Curtain Ventilation



Rack and Pinion Ventilation

Kingzo® Gear Motor (150/120N.m)

- 1. Effectively prevent the unbalance of gear motor due to the long rolling tube.
- 2. Dual Output shaft, film rolling at both ends.
- 3. High torque, high film rolling capacity, more economical. 04 With anti-condensation drainage holes, Protection Grade: IP55 (dustproof and waterproof).
- 05 Providing 5 meters long external electric cable for easy connection to the control box.



Model	Voltage	Power	Current	RPM	Torque	Weight	Warranty
GMD120-D-	AC 220V	120W	1.0A	2.7r/min	120N.m	6.1Kg	3years
	DC 24V	120W	7.5A	2.7r/min	120N.m	6.1Kg	3years
	AC 220V	150W	1.4A	2.8r/min	150N.m	6.5Kg	3years
	DC 24V	150W	9.3A	2.8r/min	150N.m	6.5Kg	3years



Curtain Ventilation



Rack and Pinion Ventilation

02 Electric Roll-up Motor Series





- 01 Connect AC 220V power directly.
- 02 Overloading and miswiring Protection.
- 03 Reinforced output shaft.
- 04 Accurate limit switch and reliable self-locking function.
- 05 IP55 with anti-Condensation function .
- 06 Three years warranty.

KINGZO®

Electric Roll-up Motor 220V AC

Model	Voltage	Power	Current	RPM	Torque	Weight
GMA60-S	AC220V	60W	≤0.5A	2.8r/min	60N·m	3.7Kg
	AC220V	100W	≤0.8A	2.8r/min	100N·m	3.9Kg
	AC220V	120W	≤0.9A	2.5r/min	120N·m	4.5Kg
	AC220V	300W	≤3.0A	3.5r/min	300N·m	8.0Kg



Roll over Curtain Ventilation



Guillotine Ventilation



Film Rolling

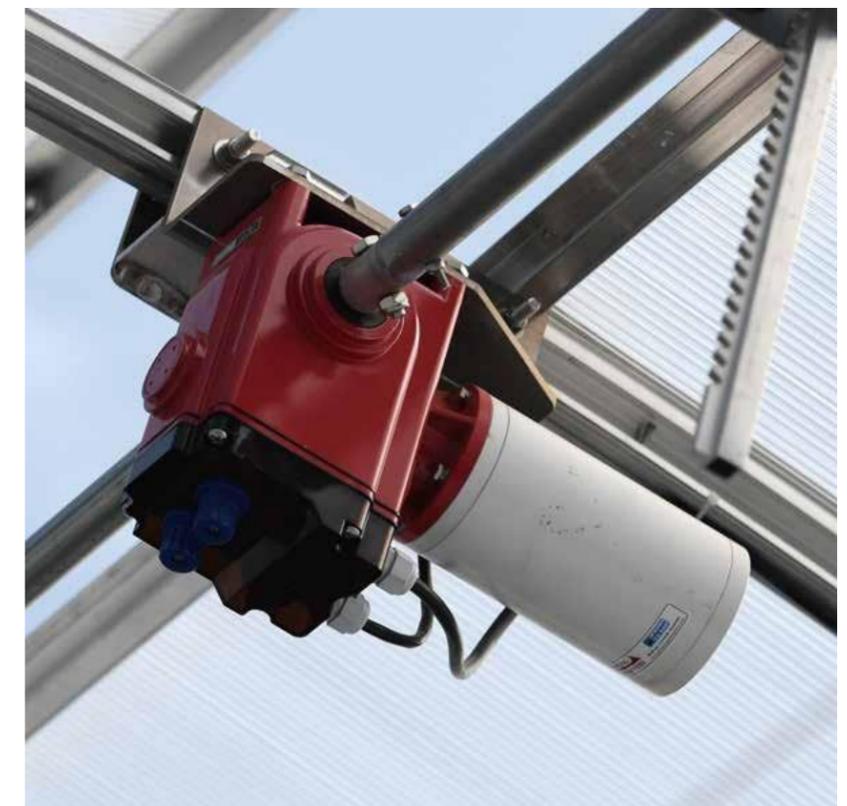


24V DC Motor For Curtain System

KINGZO® Electric Roll-up Motor 24V DC

Model	Voltage	Power	Current	RPM	Torque	Weight
GMD60-S	DC24V	60W	≤3.7A	2.8r/min	60N·m	3.7Kg
	DC24V	100W	≤6.2A	2.8r/min	100N·m	3.7Kg
	DC24V	100W	≤6.2A	2.8r/min	100N·m	4.1Kg
	DC24V	180W	≤11.0A	3.3r/min	180N·m	7.9Kg
	DC24V	300W	≤20.0A	3.5r/min	300N·m	8.0Kg

- 01 Low noise, big torque.
- 02 Reinforced output shaft.
- 03 Accurate limit switch and reliable self-locking function.
- 04 Double limit switch design.
- 05 IP55 with anti-Condensation function.
- 06 Three years warranty.



Rack and Pinion Roof Ventilation



Toup® Intel Rolling motor 150N.m Roll up curtain (120m length)

1. Patented tension balance mechanism
2. Preventing torsion or torn of the curtain fabric, preventing motor dropping from curtain end
3. Extending roll up curtain length up to 50% with more straight roll up tube
4. Labor cost saving up to 50%, due to self adjustment of motor drive and roll up tube

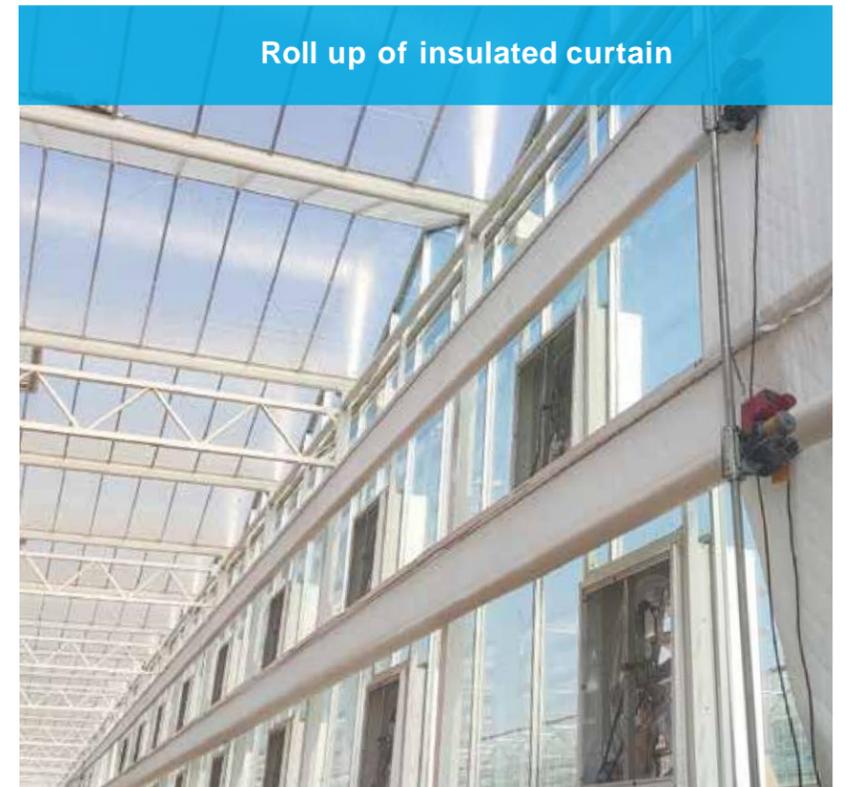


Toup® Intel Rolling motor

Toup® Intel Rolling motor is drive gear with tension balance mechanism, it is widely used for vertical roll up curtain system, can help farmers enhance profit, reduce heating cost in livestock shed by providing insulated curtain system.

Model	Voltage	Power	Torque	Current	RPM	Single/ Dual Shaft	Rolling Tube Dia	Weight
	AC220V	150W	150N·m	1.7A	2.8r/min	Single	50mm	7.3Kg
GMA300-S-AL45	AC220V	300W	300N·m	3.3A	3.3r/min	Single	50mm	13.3Kg
	AC220V	250W	250N·m	2.6A	3.5r/min	Dual	50mm	10.7Kg
	AC380V	550W	600N·m	1.6A	1.3r/min	Dual	50 or 60mm	40.0Kg
	AC380V	550W	1200N·m	2.1A	1.3r/min	Dual	50 or 60mm	50.0Kg

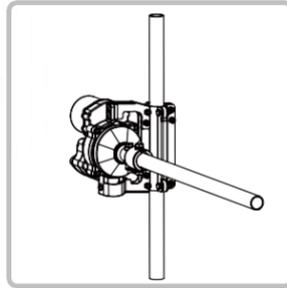
Note: Three years warranty.



Roll up of insulated curtain

CRP150-F

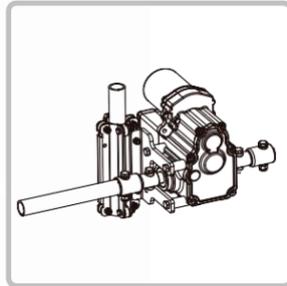
Installation Sketch



Model	Applied Motor	Climbing tube Dia.	Unit
CRP150-F-DN28	For 60W/00W/120W/150W	Φ27.5	pc
CRP150-F-DN34	Electric Roll-up Motor	Φ33.5	pc

CRP300-F

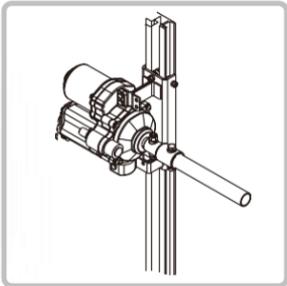
Installation Sketch



Model	Applied Motor	Unit
CRP300-F-D34B	For 120W/150W/180W/250W/300W Gearmotor	pc

PSQ-10

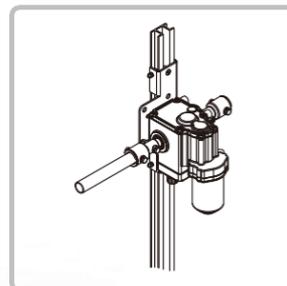
Installation Sketch



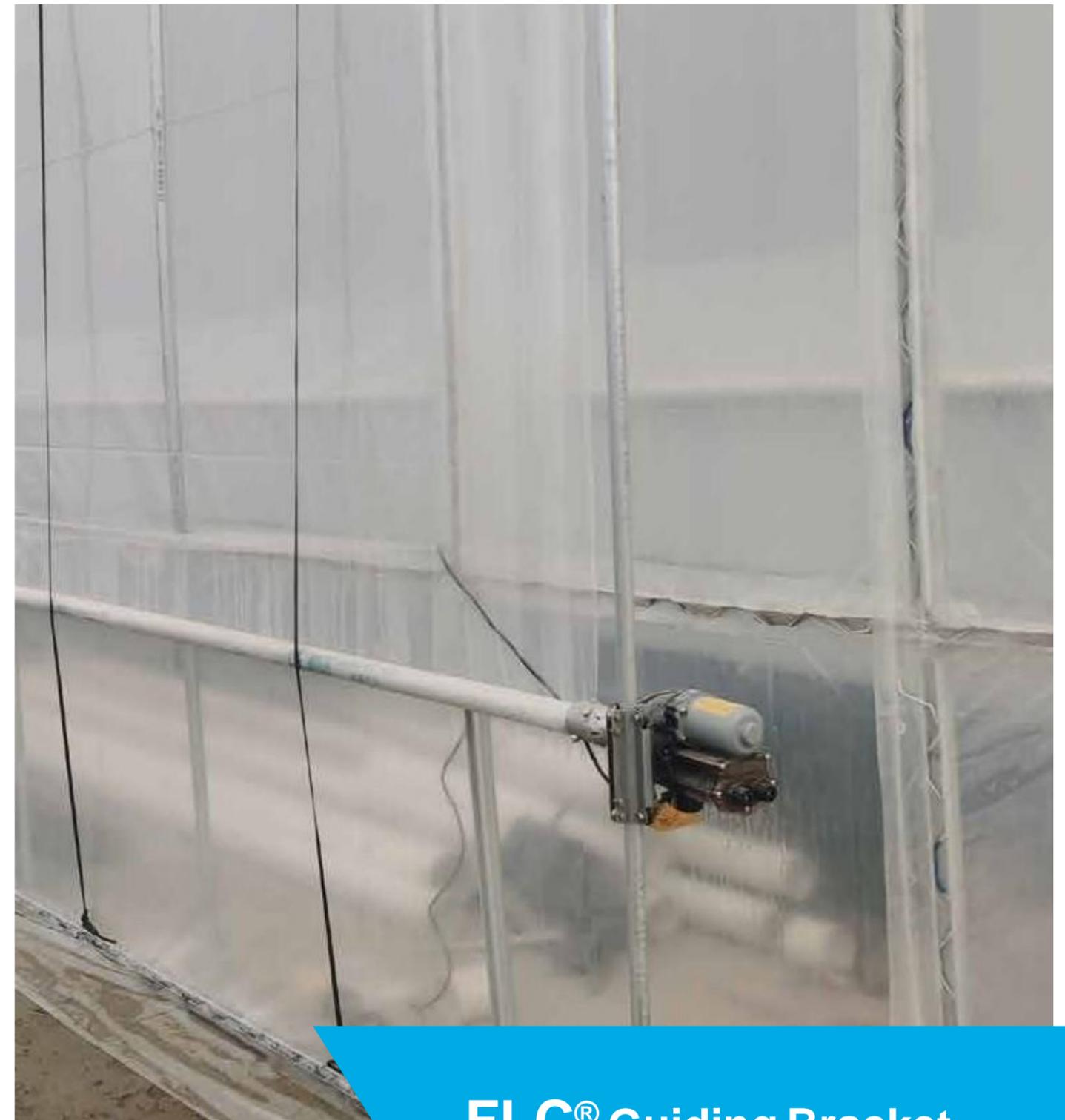
Model	Applied Motor	Unit
PSQ-10	For 60/100/120W single shaft motor to climb the Aluminum Rail	pc

FLC-XPSJ

Installation Sketch



Model	Applied Motor	Unit
FLC-XPSJ-00	For 120/150/180/250W dual shaft motor to climb the Aluminum Rail	pc



FLC® Guiding Bracket

03 Curtain System





Motorized Curtain Roll Up System

- 01 Fast installation, free maintenance.
- 02 Three years warranty for the motor drive.
- 03 Motor available of 220V/110V AC or 24 DC.
- 04 UV stabilized Woven PE Curtain, 5 years warranty.
- 05 Systems in Roll-up, drop down, center drive, end drive etc.

Electric Roll-up Lectotype (Roll-up Type)

Model	Voltage	Power	Current	RPM	Torque	Rolling Length	Rolling Tube Dia(mm)	Climbing Tube Dia(mm)	Weight
GMA60-S	AC 220V	60W	≤0.5A	2.8 r/min	60N·m	≤20m	50mm	27.5<D<33.5	3.7kg
	AC 220V	100W	≤0.8A	2.8 r/min	100N·m	≤30m	50mm	27.5<D<33.5	3.9kg
	AC 220V	120W	≤0.9A	2.5 r/min	120N·m	≤35m	50mm	27.5<D<33.5	4.5kg
	AC 220V	150W	≤1.4A	2.8 r/min	150N·m	≤40m	50mm	27.5<D<33.5	6.5kg
	AC 220V	180W	≤1.8A	3.2 r/min	200N·m	≤60m	50mm	27.5<D<33.5	9.0kg
	AC 220V	250W	≤1.8A	3.5 r/min	250N·m	≤70m	50mm	27.5<D<33.5	9.0kg



Roll over Curtain Ventilation

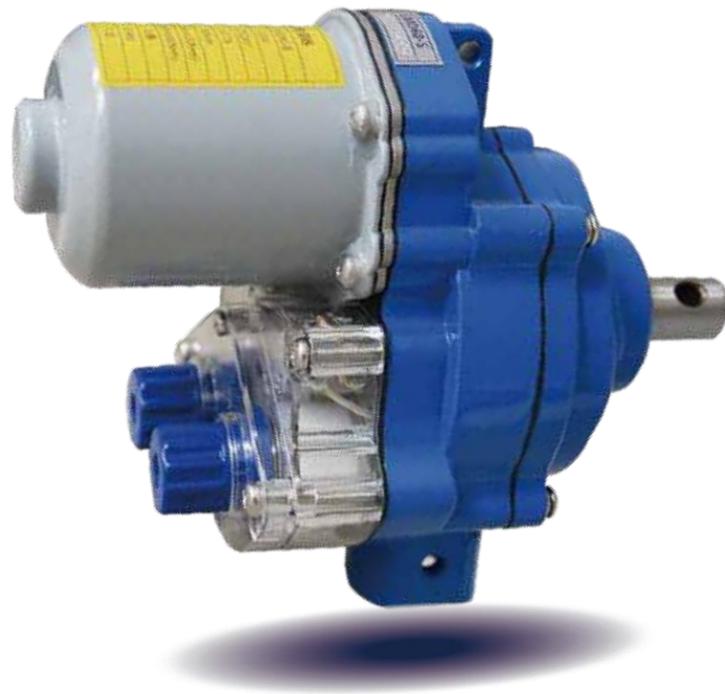


Roll up Curtain Ventilation



Top down Curtain Ventilation

Material Configuration (Roll-up Type)

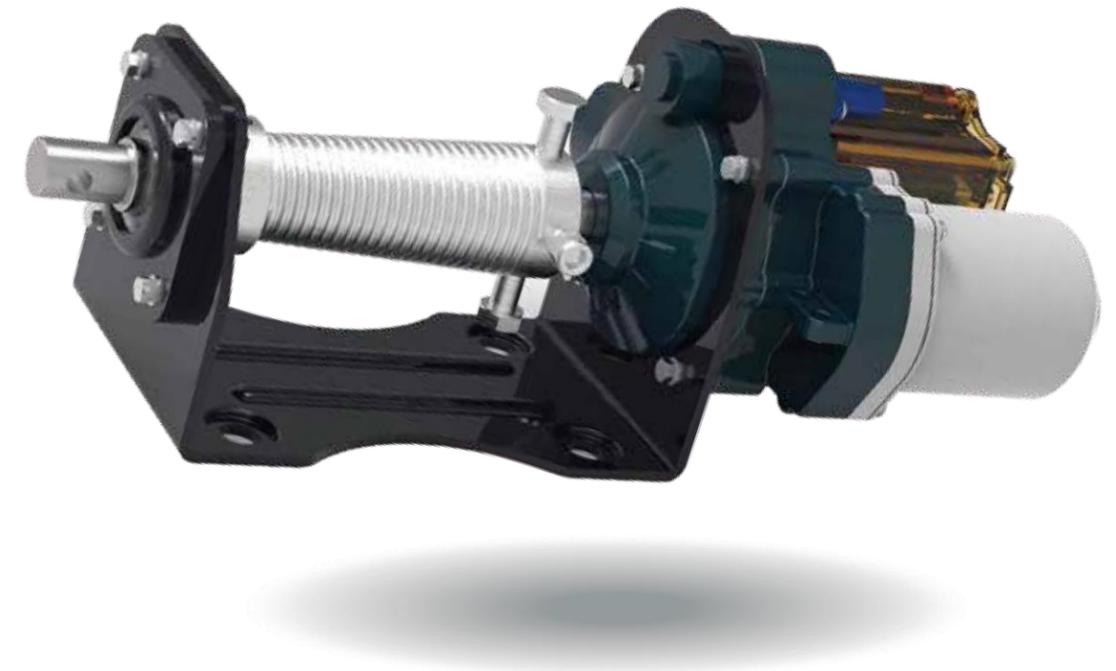


KINGZO®
Electric Roll-up Motor 24V DC

Controller	Power Supply	Keder Bar
Aluminum Single groove rolling tube	Aluminum double groove rolling tube	Adaptor
Aluminum guiding rail	Guiding tube	Tapping Screw
Creeper	PE Fabric	Electric Roll-up Motor

Material Configuration (Roll over Type)

Bearing Plate	Reversal Pulley	Switch Box
		
Adaptor	PE Fabric	Keder Bar
		
Aluminum Single groove rolling tube	Electric Winch(AC)	Electric Winch(DC)
		



**KINGZO® Planetary motor gear box
with intergrated cable drum**

AC 220V

Manual Roll up Curtain System

Material Configuration



Keder Bar



Adaptor



PE Fabric



Aluminum Single groove rolling tube



Aluminum double groove rolling tube



Guiding tube



Expansion Bolt



Curtain Retainer Band



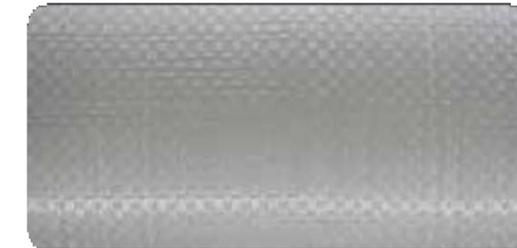
Manual Winch



FLC® Manual Winch



PE Woven Fabric



Color : White (semi-transparent)

Weight : 200g/sqm, 380g/sqm (width: 2.45m/3m)

Standard width : 1.7m/2.1m/2.45m/2.7m/3m (300g/sqm)

Materials : 100% new PE + double side laminating + UV

Life : 5-10 years

Application: Curtain system of dairy, poultry and swine house.

Specification(300g/sqm)						
Item	MESH	UV	Radial strength	Zonal strength	Radial tear strength	Filling tear strength
Unit		%	N	N	N	N
Test Data	16*14	5%+5%	1500	1500	250	250

04 Other Products





1" Powder Metallurgy Pinion with Bronze Insert



1" Stainless Steel Pinion with Bronze Insert



1" Powder Metallurgy Pinion with Nylon Insert



Sash Bracket	Model	Specs
	XMZ-LZ	Aluminum, including pin, pin shaft

Ventilation Pinion	Model	Specs	Height	Unit
	CLKC—ATF1—30	1" Powder Metallurgy Pinion with Bronze Insert	30mm	pc
	CLKC—ATB1—30	1" Stainless Steel Pinion with Bronze Insert	30mm	pc
	CLKC—ANF1—30	1" Powder Metallurgy Pinion with Nylon Insert	30mm	pc



411mm rack	Length	Thickness	Height	Remark
	411mm	2mm	22mm	Caging System



Curved Rack	Model	Length	Thickness	Height	Unit
	CTKH-2.0301050	1050mm	2.0mm	30mm	pc
	CTKH-2.0301250	1250mm	2.0mm	30mm	pc
	CTKH-2.5301050	1050mm	2.5mm	30mm	pc
	CTKH-3.0301250	1250mm	3.0mm	30mm	pc

Note: customized length is available.



Nest Expel System



Tunnel Door R&P System



Rack Arm	Model	Length	Thickness	Height	Unit
	CTKZ-2.0301050	1050mm	2.0mm	30mm	pc
	CTKZ-2.0301250	1250mm	2.0mm	30mm	pc
	CTKZ-2.5301050	1050mm	2.5mm	30mm	pc
	CTKZ-2.5301250	1250mm	2.5mm	30mm	pc
	CTKZ-3.0301050	1050mm	3.0mm	30mm	pc
	CTKZ-3.0301250	1250mm	3.0mm	30mm	pc

Note: customized length is available.

Rack and Pinion system

VINIPET® Wiggle Wire



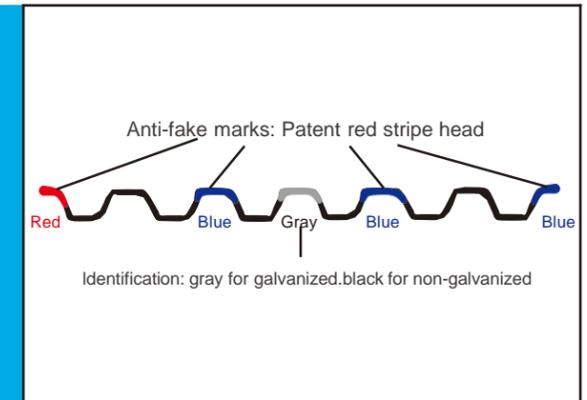
Roof Ventilator



- 01 Excellent performance of dehumidification and cooling.
- 02 Rainproof design.
- 03 UV stabilization extend life span.
- 04 Easy installation.
- 05 Expel the ammonia waste air in the house.
- 06 Three years warranty.

Model	Air Flow	Blade diameter	RPM	Frequency	Voltage	Current	Power	Weight	Warranty
XT-PQD/DD-400	4600m³/h	390mm	1390r/min	50Hz	220V	0.9A	200W	7.5kg	3 years
XT-PQD/550DD	10000m³/h	550mm	1320r/min	50Hz	220V	2.8A	550W	17.0kg	3 years

- 01 Four blue anti-fake strips.
- 2. Two thick ends, easy to install with high efficiency.
- 3. Coated with engineering plastic powder, better anti-aging character.
- 4. Withstand wind up to 12 grade.
- 05 Six years warranty.



Model	Specification	Color	Guarantee
B6-20	Φ2.0mm	Black	6 years



LOCKUP® Wiggle Wire Channel



LOCKUP® Galvanized
Wiggle Wire Channel

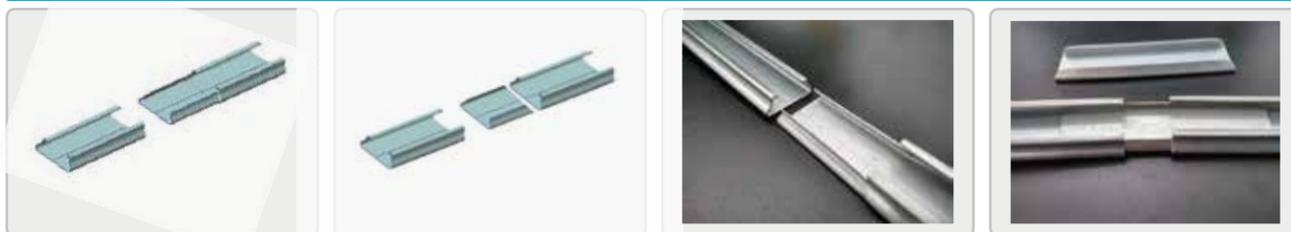


LOCKUP® Swedged
Galvanized Wiggle Wire Channel

Model	Specification	Width(mm)	Height(mm)	Thickness(mm)	Zinc Coating	Length(m/pc)
KF-3B (120)	Standard	30mm	11mm	0.7mm	≥120g/m ²	4m/6m
KF-3B (275)	Standard	30mm	11mm	0.7mm	≥275g/m ²	4m/6m
KF-4	Standard	31.5mm	13.5mm	0.9mm	≥275g/m ²	4m/6m
KF-3BS	Swedged	30mm	11mm	0.7mm	≥120g/m ²	4m/6m
KF-3BS	Swedged	30mm	11mm	0.7mm	≥275g/m ²	4m/6m
KF-4S	Swedged	31.5mm	13.5mm	0.9mm	≥275g/m ²	4m/6m

Note: customized length is available.

Two options for Wiggle Wire Channel Connecting



Curtain Retainer Band



01 High tensile strength.

02 Small coefficient of expansion and contraction.

03 UV stablization.

