should not exceed the range of door motor and controller's working temperature - 20℃— + 50℃.

18. Regular check facilities imbalance, signs of wear or cables, springs and installation damage.If need to repair or adjustment, then do not use them.

19.When cleaning door motor and controller, please cut off power.

Function Introduction

Our series of Electric Rolling Door Motors are used to drive rolling doors from 150kg to 1500kg. Our Motors are Powerful and offer an overheat protection and manual Chain release in case of an absence of power. Rolling Door Motors are suitable for the automatic rolling door of dwelling house, marketplace, storehouse, garage, cinema, guesthouse, and workshop.

CHARACTERISTICS:

1.Loads up to 150kg, 300kg, 500kg, 600kg, 800kg, 1000kg, 1300kg and 1500kg.

2.Limit switch unit enables precise adjustment of door in both up and down positions.

3.Electric and manual operation.

4.Control panel wiring is available to safety device, alarm lamp and remote controller.

5.Easy installation, legerity design, low noise, small energy consumption.

6.Overheat protection.

7.Remote control function:Up/Down, Lock and Stop

8.Manual control function: Up/Stop/Down

TECHNICAL DATA:

Type	Rated Power (W)	Bearing Speed (kg·f)	Output Torque (Nm)	Output Speed (r/min)	Max elevating distance (m)	Max diameter Of Roller (m)	Type of Chain	Rated Current (A)
				220V	50HZ			
150-1P	220	150	105	5.0	5	0.40	08A	1.2
300-1P	400	300	210	5.0	6	0.42	08A	2.4
500-1P	480	500	350	5.0	6	0.42	10A	2.6
600-1P	500	600	420	5.3	6	0.48	10A	3.0
800-1P	540	800	610	4.6	9	0.54	10A	3.8
1000-1p	580	1000	760	4.6	9	0.54	12A	4.2
				380V	50HZ			
500-3P	380	500	350	5.3	6	0.42	10A	0.8
600-3P	450	600	420	5.3	6	0.48	10A	0.9
800-3P	500	800	650	4.6	9	0.54	10A	1.2
1000-3P	580	1000	800	4.4	9	0.54	12A	1.5
1300-3P	800	1300	1050	4.4	9	0.64	12A	1.7
1500-3P	900	1500	1520	4.4	9	0.64	12A	1.9

INSTALLATION and DEBUGGING:

1.Our products are made according to the right installation methods (look out of the inside doors), The users should spin 4 tightened screws if the products will be installed on the left side: relock the 4 screws tightly after making a 180° rotation of the Chain Cage, the wire colors of "white(up)"and "green (down)"must be changed.

2. The Sprocket Bracket can be installed horizontally as shown figure.3.The users can also install this product within 0°-45°. When the sprocket Bracket wasn't the horizontal installation, the users should spin the automatic cage and give the circle Chain a vertical downward pull. At the same time, the cage must be matched with the end of the motor. After the users make sure that there is no interval between the motor and the cage, please wring the screws tightly, In order to avoid affecting the automatic brake, please don't wring the cage badly.

- Rolling Door Motors should be installed horizontally, the portier and the reel should be concentric and horizontal, the curtain pieces can't be stuck.
- Adjust the Chain a vertical downward pull 3-6mm.
- Strictly forbid users to pull the fairlead of motors.
- The cross section area of external wire to the motor must be less than $1mm^2$.
- In order to avoid being short-out in the Electric Rolling Door Motor lead to the Electric Rolling Door Motor is burnt, please pay attention to prevent the motors from being soaked and damped.
- Please connect to the ground well according to the instruction.
- The users should connect to the power PH order correctly. The right installation: The motor can rotate in a counterclockwise direction (look out of the bottom bracket) when the users push the "up"(white wire) press button. With reference fig.1

Debugging of spacing collar and spacing block:

- The users should untie the screw nails.3 of spacing structure, then pull the Chain by manual operation, the distance from the curtain door to the ground is about 1m. Firstly, The users can try the "up"operation, the "down" operation and the "stop" operation.
- The users should check that whether the operations are normal or not. If normal, the users can pull the curtain door in the best position that are made sure.
- After this operation, the users should rotate the Spacing Collar5, adjust to the Switch 2, after we heard the "tick"voice, the users can lock the Screw nail 3, try it over and over, relock the screws.

the diagram of installation on the right side

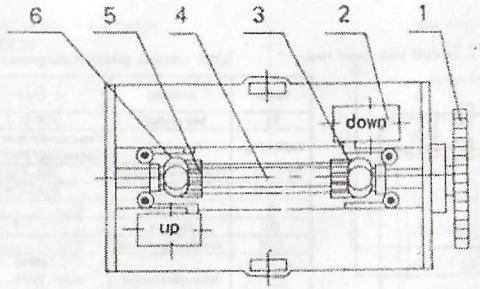
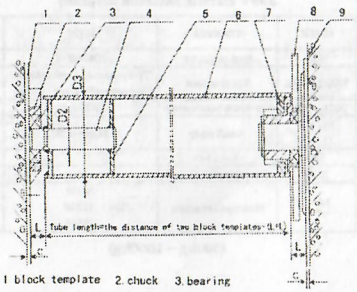


Fig. 1

1. gear 2. switch 3. screw nail
4. screw arbor 5. spacing collar 6. spacing block

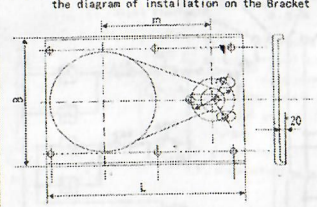
Fig. 2 the diagram of Roller Tube



1 block template 2. chuck 3. bearing
4 Roller Tube mandrel 5. supporting
6. Roller Tube 7. transmission shaft
8. chain wheel 9. bracket

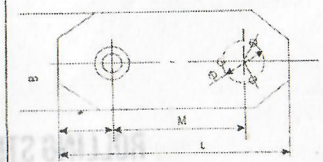
Types	D2	D3	L	C	Bearing	
300~~ 1P 3P	Ø30	4"	40	4	206	
500~~ 1P 3P	Ø35	4"/5"	40	4	107-207	
600~~ 1P 3P	Ø35	5"	40	4	107-207	
800~~ 1P 3P	Ø35	6"	50	5	207-F207	
1000~~3P	Ø40	6"	50	5	209-F209	

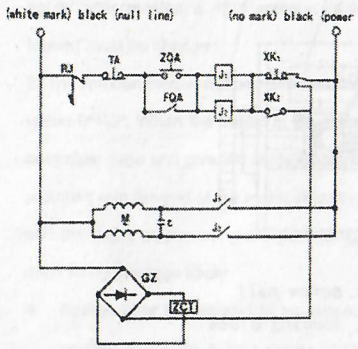
Fig. 3 the diagram of installation on the Bracket



Note: 300~~ 1P 3P centric distance m=310 L=530 B=320
600~~ 1P 3P centric distance m=310 L=530 B=320
800~~ 1P 3P centric distance m=320 L=530 B=240
1000~~3P centric distance m=320 L=530 B=240

horizontal installation

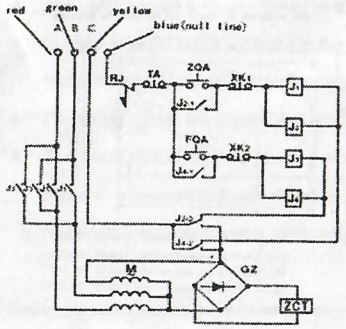




220V electric skeleton diagram

mark	content	type	qtn
RJ	heat protector	JOK-SF-1	1
TAZQAFQA	Press button	Two normally open contacts One normally close contact	1
XK1、XK2	Up/down limit switch	JWL-1-11	2
J1、J2	Small relay	JQX—13F	2
C	Capacitor		1
GZ	Rectifier		1
ZCT	Electromagnetic coil		1
M ~	Mono-phase motor	400W 220v 370W 250W	1

(300kg—600kg)

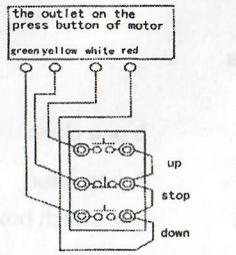


380V electric skeleton diagram

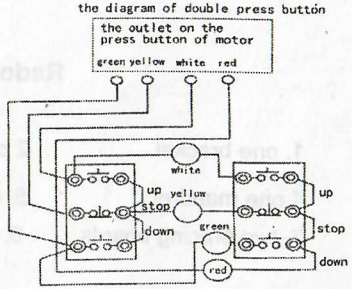
mark	content	type	qtn
RJ	heat protector	JOK-SF-1	1
TAZQAFQA	Press button	Two normally open contacts One normally close contact	1
XK1、XK2	Up/down limit switch	JWL-1-11	2
J1、J2 J3、J4	Small relay	JQX—13F	4
GZ	Rectifier		1
ZCT	Electromagnetic coil		1
M ~	Mono-phase motor	360W 220v 120W 250W	1

(300kg—1000kg)

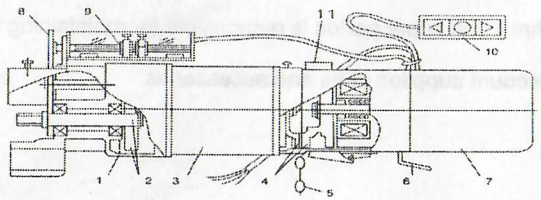
the diagram of single press button



the diagram of double press button



the diagram on the structure of Rolling Door Motor



1. container
2. gear shaft
3. motor
4. brake structure
5. single manual chain
6. manual reduction arbor
7. electric cover
8. limited gear
9. limiter
10. press button
11. escapement