Product Characteristic

TAP45 series tubular motors fit all kinds of electric roller blinds, canopies, Roman blinds, Venetian blinds, projection screens, awnings, and outside solar protections.

This product has complete overheat and overload protections. Insure the motor against accident, we produce the motor with inflame retardant materials. In order to reduce noise, shake and supply complete guarantee for it's use life, we adopted sealed lubricate design for the structure components. In order to setting exact orientation, we designed exact mechanical travel control. Over-narrow bracket design furthest reduce the space between the fabric and the wall.

Attention

Please read this manual carefully before install or use.

Please install this product by professional people.

Never hit the motor, or tear down the motor.

Do not add lubricant on the motor or any components.

Motor Specification

CE criterion

Model	Voltage (V)	Frequency (Hz)	Current (A)	Power (W)	Torque (Nm)	Speed (rpm)	T (T

TAP45-30/12	220-240	50/60	0.75	160	30	12/14	
TAP45-30/12-L	220-240	50/60	0.75	160	30	12/14	
TAP45-40/12	220-240	50/60	0.95	200	40	12/14	
TAP45-40/12-L	220-240	50/60	0.95	200	40	12/14	
TAP45-50/12	220-240	50/60	1.15	240	50	12/14	
TAP45-50/12-L	220-240	50/60	1.15	240	50	12/14	
Insulation class		Class F					
Protection index		IP44					
Overheating protection		6 min					

UL criterion

Model	Voltage (V)	Frequency (Hz)	Current (A)	Power (W)	Torque (Nm)	Speed (rpm)	T (
TAP45-30/12	100-120	50/60	1.5	160	30	12/14	
TAP45-30/12-L	100-120	50/60	1.5	160	30	12/14	
TAP45-40/12	100-120	50/60	1.9	200	40	12/14	
TAP45-40/12-L	100-120	50/60	1.9	200	40	12/14	
TAP45-50/12	100-120	50/60	2.3	240	50	12/14	
TAP45-50/12-L	100-120	50/60	2.3	240	50	12/14	
Insulation class		Class F					
Protection index		IP44					
Overheating protection		6 min					

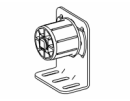
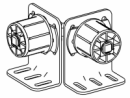
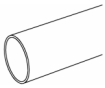
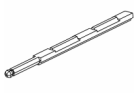
System Accessories

Motor bracket

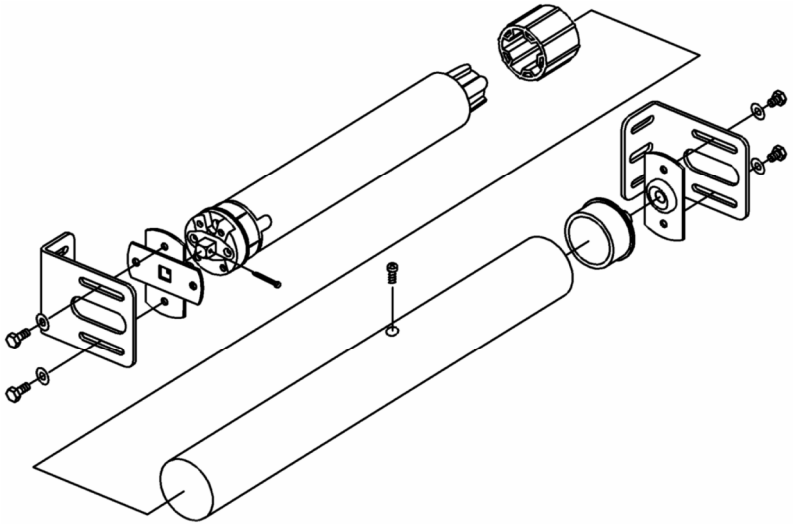
323511

180°brac

323510

	Idler bracket 323506		135°brac 32350
	Φ50 wheel 323504		90°brack 32350
	Φ50 roller tube 323503		Travel ad 32350

System Installation



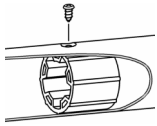
Roller tube slot

When use Φ50 roller tube, it must cut a slot on the roller tube (Drawing 1). The slot is used to connect the motor turning ring.

Connect the motor and roller tube

1.（Drawing 2）Drill a hole on the roller tube, fix the wheel in the roller tube. The wheel must be fit for the motor length.

2.（Drawing 3）Put the motor into the roller tube, insert the output shaft into the wheel. The turning ring must be inserted the slot.

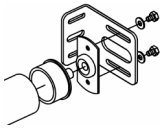


Drawing 2

Fix motor system

1.（Drawing 4）Connect the support cap and motor head with two bolts.

2.（Drawing 5） Fix the motor on the square plate with bolts, the direction of the adjust travel holes must be face outside, in order to easy adjust the travel after installation.

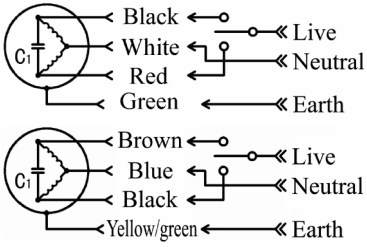


Drawing 4

Wiring consideration

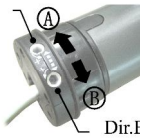
CE criterion（AC220-240V）

（AC100-120V）



UL criterion

Travel setting



There are two travel holes on the motor head, they are direction A and direction B. Please set the travel with **323507** travel adjust pen.

Attention:

1. To set the travel after the whole system (including the fabric) has been installed.

2. Direction A and direction B are the turning directions of the motor output shaft. Sometimes this direction is not the same with the fabric turning direction.

Travel setting steps

1. Let the motor turn to direction A. When the motor reaches the scheduled stop point, it will stop automatically.

2. Adjust Direction A hole with travel adjust pen, set the stop point.

If the motor is not at the end point, adjust Direction A hole to "+" direction, the motor will move discontinuously to the end point.

If the motor has exceeded the end point, adjust Direction A hole to "-" direction, at this moment,

the motor will turn to Direction B a little, then turn to Direction A till reach the end point.

3. According to the above method, adjust [B direction knob] to set B direction travel.

4. If want to set the end point very exact, you can drive the motor several times, observe the stop point, and snail the travel hole with travel adjust pen.