

Motor Characteristic

TA45 series A.C. tubular motors fit all kinds of electric roller blinds, canopies, Roman blinds, Venetian blinds, projection screens, awnings, and outside solar protections.

The 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 (1
TA45-6/22	220-240	50/60	0.4	90	6	22/26	
TA45-6/22-L	220-240	50/60	0.4	90	6	22/26	
TA45-8/17	220-240	50/60	0.4	90	8	17/20	

TA45-8/17-L	220-240	50/60	0.4	90	8	17/20	
TA45-12/22	220-240	50/60	0.65	140	12	22/26	
TA45-12/22-L	220-240	50/60	0.65	140	12	22/26	
TA45-15/17	220-240	50/60	0.65	140	15	17/20	
TA45-15/17-L	220-240	50/60	0.65	140	15	17/20	
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 (T)
TA45-6/22	100-120	50/60	0.8	90	6	22/26	
TA45-6/22-L	100-120	50/60	0.8	90	6	22/26	
TA45-8/17	100-120	50/60	0.8	90	8	17/20	
TA45-8/17-L	100-120	50/60	0.8	90	8	17/20	
TA45-12/22	100-120	50/60	1.3	140	12	22/26	
TA45-12/22-L	100-120	50/60	1.3	140	12	22/26	
TA45-15/17	100-120	50/60	1.3	140	15	17/20	
TA45-15/17-L	100-120	50/60	1.3	140	15	17/20	
Insulation class	Class F						
Protection index	IP44						
Overheating protection	6 min						

System Accessories






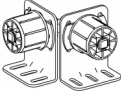
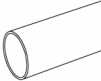
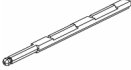
Motor bracket

323505

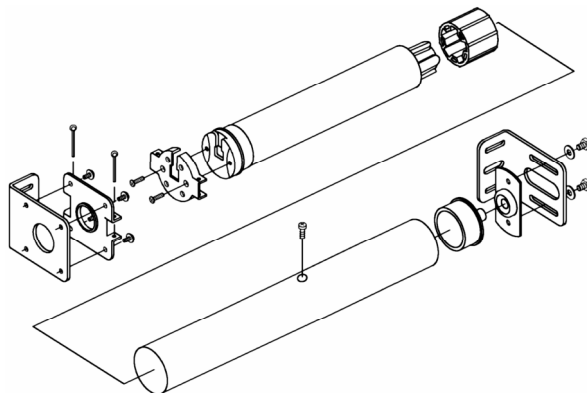


180° brack

323510

	Idler bracket <u>323506</u>		135° brack <u>323506</u>
	Φ50 wheel <u>323504</u>		90° brack <u>323506</u>
	Φ50 roller tube <u>323503</u>		Travel sti <u>323507</u>

System Installation

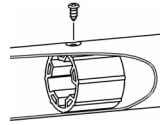


Machining the slot on the roller tube

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

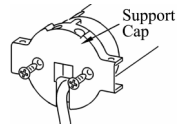
1. (Drawing 2) Drill a hole on the roller tube, fix the wheel in the roller tube with a bolt. Depth of the wheel must fit for the motor length.
2. (Drawing 3) Put the motor into roller tube, insert the motor output shaft into the wheel. The dummy club of counter-loop must be inserted the slot.



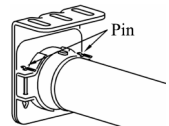
Drawing 2

Fix motor system

1. (Drawing 4) Connect the support cap and motor head with two flat head bolts.
2. (Drawing 5) Fix the square plate with four bolts. Attention: the motor adjust knob holes must face outside, in order to adjust the travel more easily after installation.
3. (Drawing 6) Put the motor head with support cap into the bracket, then fix well with two pins, avoid the motor loosening from the bracket.
4. (Drawing 7) Install the roller tube into idler bracket.



Drawing 4



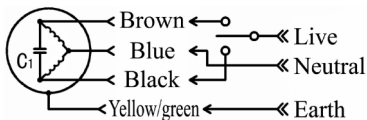
Drawing 6

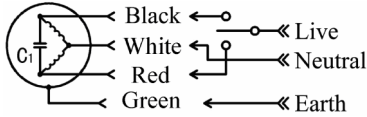
Power connection

CE criterion (AC220-240V)

UL criterion

(AC100-120V)

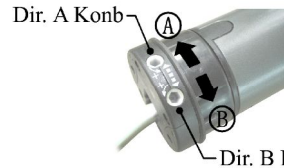




Travel setting

Attention:

1. You must set the travel after the whole system (including the drapery) has been installed.
2. Direction A and direction B are motor directions. Drapery direction sometimes differs with motor direction cause installation.
3. Please set the knob with 323507 travel stick.



Travel setting steps

1. Let the motor turn to direction A, motor will stop at the scheduled point.
2. Adjust Dir. A knob with travel adjust pen:
 - If the motor doesn't reach the order-point, adjust Dir. A knob to "+" direction, the motor will run discontinuously, still reach to the order-point.
 - If the motor overrun the order-point, adjust Dir. A knob to "-" direction, at this moment, you must run the motor direction B sufficient, and then run direction A again.
3. According to above method, adjust [Dir. B knob] to set the Dir. B travel.
4. If you want to set the order-point accurately, you can drive the motor several times, and then set the travel fine cause the

order-point difference.