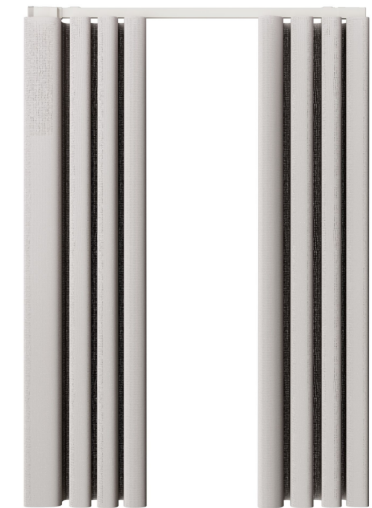


CC-B112

Motorized Curtain Track

A center-opening motorized curtain system with an aluminum track, belt drive and the CM-51-E 24 V DC motor.

For a center-opening pleated-curtain configuration. Wave-curtain and other configurations require separate selection review.



Product illustration

Track and drive components

Item	Documented specification
Track material	6063-T5 aluminum profile
Track wall thickness	1.4 mm
Standard track color	White
Drive belt	6 mm wide; 3.4 mm high
Belt material	Kevlar-reinforced material, as stated in the source
Wall-mount hardware	Galvanized L bracket, white plastic cover, M5 x 12 hex-socket screw; Hex 4 mm tool size
Track joiner	Required above 3.5 m, or when special dimensions require a split track

Select the track length, curve geometry, curtain load and brackets together. An overlap carrier is recommended to reduce the center gap. Joiner use does not define the maximum fabrication length.

Source: 电动开合帘.docx, paragraphs 2, 14, 20, 24, 53 and 59; images 1, 2 and 12. Product illustration and source-stated material specifications. Confirm the final configuration before fabrication.

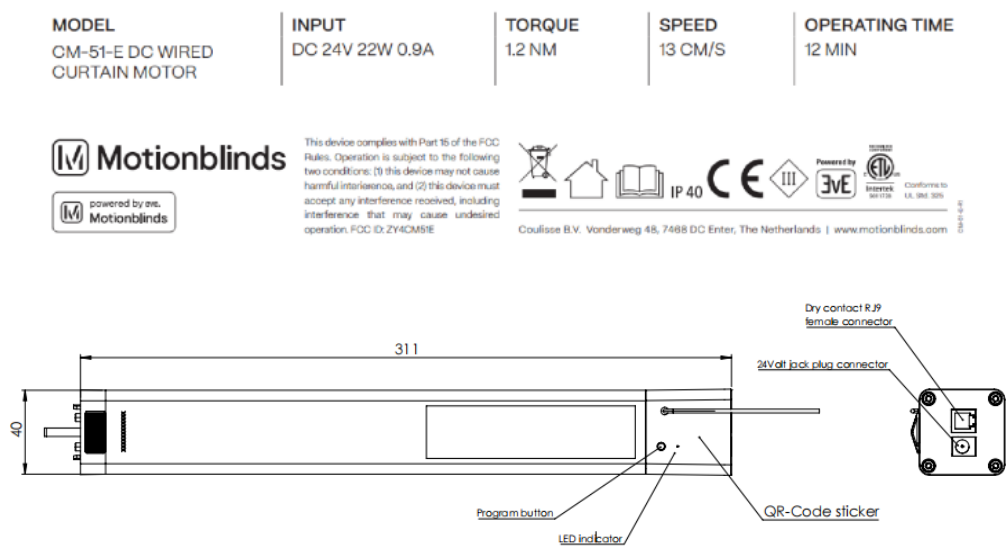
CM-51-E 24 V DC motor

Parameter	Documented value
Supply	24 V DC
Power / current	22 W / 0.9 A
Torque	1.2 Nm
Curtain travel speed	13 cm/s
Shaft rotational speed	100 rpm in the specification table
Speed selection	No adjustable-speed choice stated in the table
Continuous operation	12 minutes
Protection rating	IP40 - motor only
Operating temperature	5-60 °C
Control / connectors	Dry contact; Matter; RJ9 female dry-contact connector; 24 Volt jack plug connector

Speed units: 13 cm/s is curtain travel speed; 100 rpm is shaft rotational speed. These are different quantities and must not be interchanged.

For Apple smart-home integration through Matter, confirm the required control configuration. Use the CM-51-E wiring instructions; dry-contact pinouts and modes from other motor models do not apply.

Original Motionblinds motor identification



Source: 电动开合帘.docx, paragraph 70; images 35-37. Connector labels are in English; drawing dimensions 311 and 40 have no stated unit. Regulatory marks are not separate certification evidence.

Track geometry

Track parameters below apply to 2.2x fabric fullness and 400 g/m² fabric weight. Apply length, geometry and mounting-load limits together.

Parameter	Documented limit
Fabrication length	Minimum 400 mm; maximum 10,000 mm
Curve radius	Minimum 200 mm
Curve angle	Maximum 90 degrees per curve
Distance between two curves	Minimum 600 mm
Fabrication	Dedicated bending equipment; factory bending recommended



Maximum curtain weight by track shape

Track shape	Maximum load	Qualification
Straight	Not rated here	Load subject to configuration review
Single curve	20 kg	2.2x fullness and 400 g/m ² fabric
Two curves	15 kg	2.2x fullness and 400 g/m ² fabric

Straight-track load is subject to configuration review. Confirm the applicable rating before specification. The single-curve and two-curve values remain conditional on the fabric and mounting configuration.

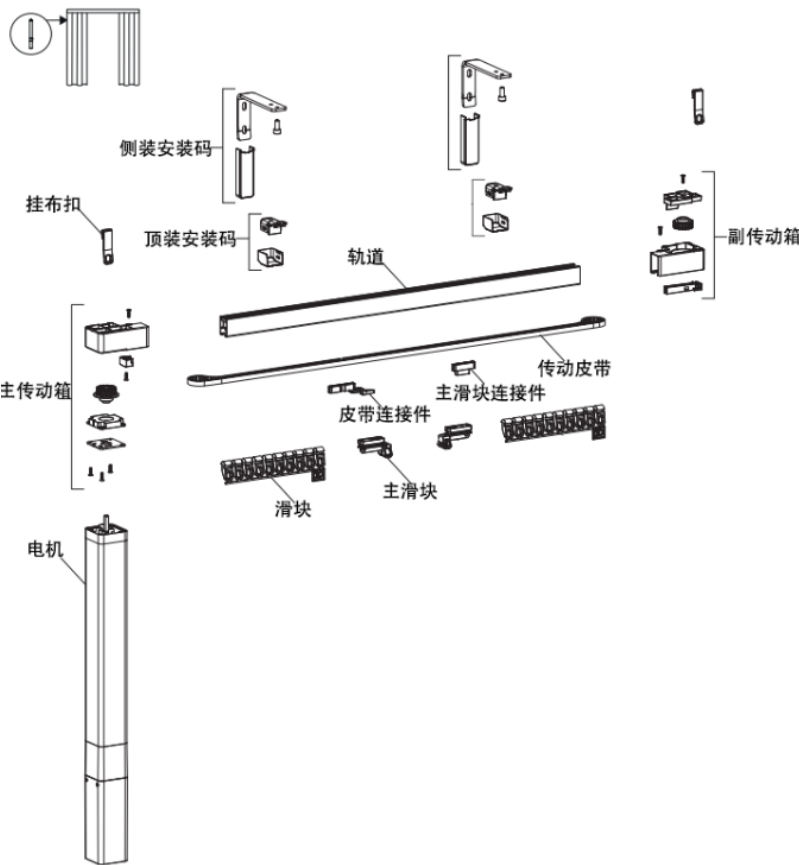
Bracket ratings are configuration-specific

Mounting configuration	Maximum load per bracket
Ceiling mount	20 kg
Single-track wall mount, 85 mm offset	18 kg
Single-track wall mount, 100 mm offset	15 kg
Double-track wall mount	2 x 6 kg

Source: 电动开合帘.docx, paragraphs 77-83; images 13, 38-42. Bracket ratings and total curtain-weight ratings are different quantities and must not be substituted, combined or added into a blanket system rating.

CC-B112 center-opening assembly

CC-B112 | 对开开合帘，电动电机款



English legend

- Wall-mount bracket
- Ceiling-mount bracket
- Curtain attachment clip
- Track
- Drive-end housing
- Idle-end housing
- Motor
- Drive belt
- Belt attachment connector
- Master-carrier connector
- Glider
- Master carrier

Assembly and clearance notes

The original Chinese diagram title means CC-B112 center-opening curtain, electric motor version. The legend above translates every component label.

For split-track installation, use the matching track joiner and split-drive-belt joiner. An overlap carrier assembly is optional. The rail and belt joiner are separate components with different functions.

Confirm the bracket type, matching hardware and installation clearances for the selected track configuration. Bracket load limits are listed separately on page 3.

Final recess width and clearance depend on the selected curtain, mounting and track configuration and require confirmation before fabrication.

Source: 电动开合帘.docx, image 2 (CC-B112 assembly), image 3 (split-track and overlap notes), paragraph 17 and image 44 (clearance reference). Original Motionblinds branding is retained on the motor page.