RC-MB10: Motor, Tube and Power Reference

Read the motor row and the tube-selection conditions together.

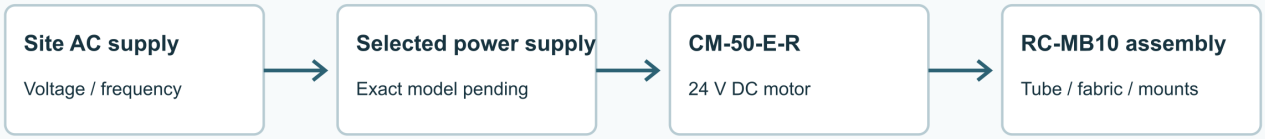
RC-MB10 documentation contains two different motor routes. Keep their voltage, frequency, torque and operating-time records attached to the exact model. Neither a shared system name nor a 35 mm motor diameter makes the motors interchangeable.

Documented parameter	CM-50-E-R	CM-10-QC
Supply	24 V DC	230 V AC / 50 Hz
Power / current	38 W / 1.6 A	133 W / 0.57 A
Torque	Maximum 6 Nm	8 Nm
Speed	16 / 20 / 24 rpm; default 20	15 rpm
Continuous operation	12 minutes	4 minutes
Motor protection rating	IP20	IP44

Separate the motor rating from the complete power chain

Procurement architecture reference. Not a wiring diagram or a PSU sizing calculation.

Documented DC motor route



Motor record: 38 W / 1.6 A, maximum 6 Nm. This does not approve any multi-motor PSU allocation.

Separate AC motor record

CM-10-QC: 230 V AC / 50 Hz, 8 Nm

Do not relabel this documented motor as a 110-120 V / 60 Hz US/Canada replacement.

Source: RC-MB10 Technical Data Sheet v1.0, pp.1-3. Current PSU, controller and complete BOM remain unconfirmed.

Manufacturer manual use restrictions remain applicable; commercial suitability requires exact-version review.

Power-chain concept only. Qualified project review must select the actual PSU, protection, conductors and controls.

Tube table: keep the 300 g/m2 condition

Tube	Width x height in source	Recommended torque	Operation
38 mm	2300 x 3200 mm	Not applicable	Manual only
42 mm	2500 x 3600 mm	6 Nm	Manual / motorized
50 mm	2600 x 4200 mm	6 Nm	Manual / motorized
65 mm	3000 x 5500 mm	8 Nm	Motorized

Every row is tied to the source table condition of 300 g/m2 fabric and still requires configuration review. The 65 mm row requests 8 Nm: it must not be presented as an approved combination with the 6 Nm CM-50-E-R. The 38 mm row is manual only. This table does not calculate deflection, fabric build-up, bracket fixing or a project maximum.

Three boundaries that prevent a false selection

1. CM-10-QC is documented at 230 V AC / 50 Hz. It is not an automatic 110-120 V / 60 Hz substitute for a US or Canadian project. 2. The CM-60v2 is a possible manufacturer power-supply family, not a confirmed Saiwenna BOM. Its generic motor-count statement cannot approve a group of CM-50-E-R motors; channel current, duty and simultaneous operation require review. 3. Preserve the original motor manual use restrictions, including the previously reviewed indoor/household limitation. A business decision to pursue a commercial project does not amend the motor manufacturer instructions.

Record before the next technical review

Required record	Buyer / supplier entry
Opening and actual fabric	Opening ID; width/height basis; fabric code, weight and roll direction
Mechanical package	Tube, motor adapter, idler, brackets, roll diameter and light-gap details
Power/control	Exact motor suffix/version; PSU; site voltage/frequency; selected interface
Market and use	Destination, intended use, applicable documents and responsible reviewer
Commercial offer	Dated full BOM; included/excluded components; MOQ/price/time confirmed separately

A model label or manual conformity statement is not independently verified certification of the complete assembled shade. Use the selected manufacturer instructions for installation; this resource is a procurement reference, not an electrical installation procedure.

Sources and procurement entry

Saiwenna RC-MB10 Technical Data Sheet v1.0, 10 September 2026; pp.1-4

CM-50-E-R manufacturer manual; retain model-specific use restrictions

CM-60v2 manufacturer manual, printed pp.3-4

Open the related Saiwenna resource