MOTORIZATION · DATA SHEET

CA35 120 V AC Motor

Hard-wired 120 V radio motor for large roller and Montage™ shades

01 Technical specifications

Power supply	120 V AC, 60 Hz	**Rated current**	0.85 A
Rated torque	6 N·m	**Rated speed**	24 rpm
Tube	2-1/2″ to 144″ wide; 3-1/4″ wider	**Limit type**	Electronic
Radio frequency	433.92 MHz	**Operating temperature**	−5 °C to 50 °C
Length L1 / L2	545 / 525 mm	**Programming**	P1 button and remote
Minimum shade width	24-1/2″		

02 Features

Built in

- ✓ Remote pairing: add and delete remotes
- ✓ Upper and lower limits set by hand
- ✓ Step (jog) limit adjustment
- ✓ Set and delete limits
- ✓ Third limit (preferred position)
- ✓ Reversible direction
- ✓ Obstacle (resistance) protection
- ✓ Group control
- ✓ Built-in receiver

App control

- ✓ Percentage (position) control
- ✓ Status feedback
- ✓ Timer
- ✓ Radio signal indication
- ✓ Scenes
- ✓ Scan and program

Via the CBM Smart Network Bridge, Bond Bridge or Bond Bridge Pro.

03 Power and installation

Power	120 V AC, 60 Hz. Hard-wired or plug-in, as specified on the order
Installation	Licensed electrician, to the CEC (Canada) or NEC/NFPA 70 (US) and local code
Wiring	Colours and connections as in the CA35 programming instructions

04 Remotes



Handheld
CBT15H 15-channel
CBT01H single channel
CBT05ST 5-channel, timer



Surface mount
CBT15S 15-channel
CBT5MT 5-channel, timer



Wall mount
CBT15W 15-channel

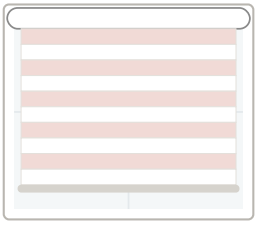


Bond Sidekick
Gen 2 or newer
5-channel
Wall or handheld

05 Applications



Roller shade

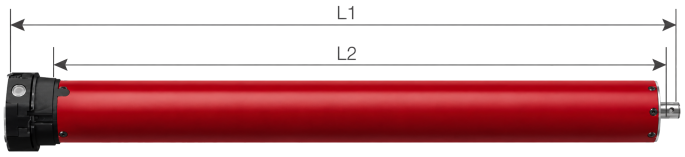


Montage™ Designer Shade

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06 Dimensions and end gaps



L1: 21-7/16″ [545]
L2: 20-11/16″ [525]

Mounting system	Brackets	Motor end	Pin end
4″ fascia	Brackets with covers	15/16″ [24]	5/8″ [16]
	Brackets without covers	13/16″ [21]	1/2″ [13]
S90 wrap cassette	—	1-1/16″ [27]	5/8″ [16]
S95 wrap cassette	—	1-3/16″ [30]	3/4″ [19]
Square cassette	—	1″ [25]	5/8″ [16]
Open roll	Open roll brackets	15/16″ [24]	3/8″ [10]

Gap per end between the finished width and the fabric. Inches [millimetres]. **Shades wider than 120″:** check with Customer Service. Different brackets are used to carry the weight and reduce telescoping, and the gaps may differ.

07 System capacity

Width across (inches, cm), drop down (inches, cm). Minimum width 24-1/2″, maximum width 144″. Calculated for a 2-1/2″ tube, with a 750 g/m² blackout fabric and bottom rail, at 90% of rated torque. All sizes shown are within capacity.

in \ cm		24-1/2 62.2	36 91.4	48 121.9	60 152.4	72 182.9	84 213.4	96 243.8	108 274.3	120 304.8	132 335.3	144 365.8
36	91.4											
42	106.7											
48	121.9											
54	137.2											
60	152.4											
66	167.6											
72	182.9											
78	198.1											
84	213.4											
90	228.6											
96	243.8											
102	259.1											
108	274.3											
114	289.6											
120	304.8											
126	320.0											
132	335.3											
138	350.5											
144	365.8											
150	381.0											
156	396.2											

Within motor capacity Exceeds motor capacity

08 Related documents

- CA35 programming instructions (EN-FR, and US edition)
- PDS-NB7006C Smart Network Bridge data sheet
- Roller-shade shop drawings, by mounting system