

Motorized Curtain Track

## Powerful + CM2000



- L-shaped, S-shaped and more motorized curve rails are available.
- Ready for use in those motorized rails up to 30 kg (66 lb). (\*for straight rail with Two-way Draw type.)

# Powerful + CM2000

## Powerful + CM2000's Unique Features

Many types of motorized curve rails are obtainable according to window shapes.

**Ready for use in those motorized rails up to 30 kg (66 lb).**  
 (\*for straight rail with Two-way Draw type.)

## Motor Specifications

Item		Powerful 3L Series				Powerful 4P Series	
		Powerful 3L 220 V		Powerful Little N3L 220 V		Powerful 4P 220 V	
Rated power voltage	VAC	220		220		220	
Rated power frequency	Hz	50	60	50	60	50	60
Rated power current	A	0.4	0.35	0.25	0.3	0.4	0.35
Power consumption	W	80	75	60	70	80	75
Operating voltage	VAC	Same as power source		Same as power source		Same as power source	
Operating current	A						
Time rating	min.	5		5		5	
Overheat protection operating temperature	°C	120±10		120±10		120±10	
Internal electric circuit		Built-in Inter rock circuit		Built-in Inter rock circuit		Auto keep circuit, built-in Inter rock circuit	
Operating switch spec.		Locker switch		Locker switch		3-button momentary contact switch Open: A contact Stop: B contact Close: A contact	
Weight of main unit	kg (lb)	1.8 (4.0)		1.8 (4.0)		1.8 (4.0)	
Operating time	sec./m	5	4	5	4	5	4
Maximum curtain weight	kg (lb)	Two-way Draw: 30 (66) One-way Draw: 20 (44)		Two-way Draw: 30 (66) One-way Draw: 20 (44)		Two-way Draw: 30 (66) One-way Draw: 20 (44)	
Maximum rail length	m (in)	4 (158)		4 (158)		4 (158)	

Applicable Range

Type of curtain track			CM 2000		
Installation pattern			Straight	Single curve	Two curves
			Power transmission type		
Kepler cord	Kepler cord	Kepler cord			
Powerful 3L Powerful 4P	Maximum curtain weight	kg (lb)	One-way draw: 20 (44) Two-way draw: 30 (66) One-way draw: 15 (33)	One-way draw: 8 (18) Two-way draw: 10 (22) One-way draw: 5 (11)	One-way draw: 4 (9) Two-way draw: 6 (13) One-way draw: 3 (7)
	Maximum rail length	m (in)	4 (158)		
Powerful Little N3L	Maximum curtain weight	kg (lb)	One-way draw: 20 (44) Two-way draw: 30 (66) One-way draw: 15 (33)	One-way draw: 8 (18) Two-way draw: 10 (22) One-way draw: 5 (11)	One-way draw: 4 (9) Two-way draw: 6 (13) One-way draw: 3 (7)
	Maximum rail length	m (in)	4 (158)		

## Bending Conditions

Item	Conditions
Radius	300 mmR (12"R)
Overall curve half	1,000 mmR (39"R) or more (Unit: 10 mm/.39")
Angle	90° or more
Number of curves	Maximum of two

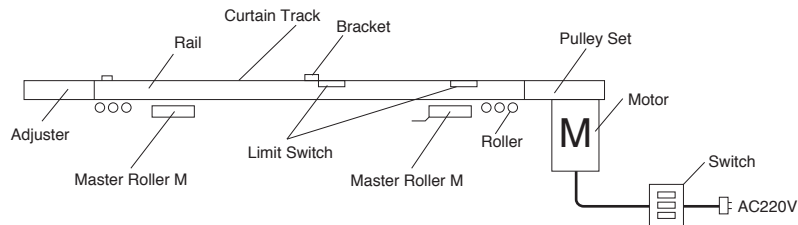
## Stack-off Allowance Guide

Type	One-way Draw	Two-way Draw	
		Master Roller	Rail Overlap
Straight	$\frac{(\ell - 260 \text{ mm})}{100 \text{ mm}} \times 16 \text{ mm} + 400 \text{ mm}$	$\frac{(\ell - 260 \text{ mm})}{200 \text{ mm}} \times 16 \text{ mm} + 400 \text{ mm}$	$\frac{(\ell - 210 \text{ mm})}{200 \text{ mm}} \times 16 \text{ mm} + 350 \text{ mm}$
	$\frac{(\ell - 10.2")}{3.9"} \times .63" + 16"$	$\frac{(\ell - 10.2")}{7.9"} \times .63" + 16"$	$\frac{(\ell - 8.3")}{7.9"} \times .63" + 14"$

\*Number of rollers: 8 pieces per meter. Overlap space for the rail overlap: 300 mm (12").  $\ell$  : total length. Two-way Draw in the table shows a length of stack-off space for one (half) panel.

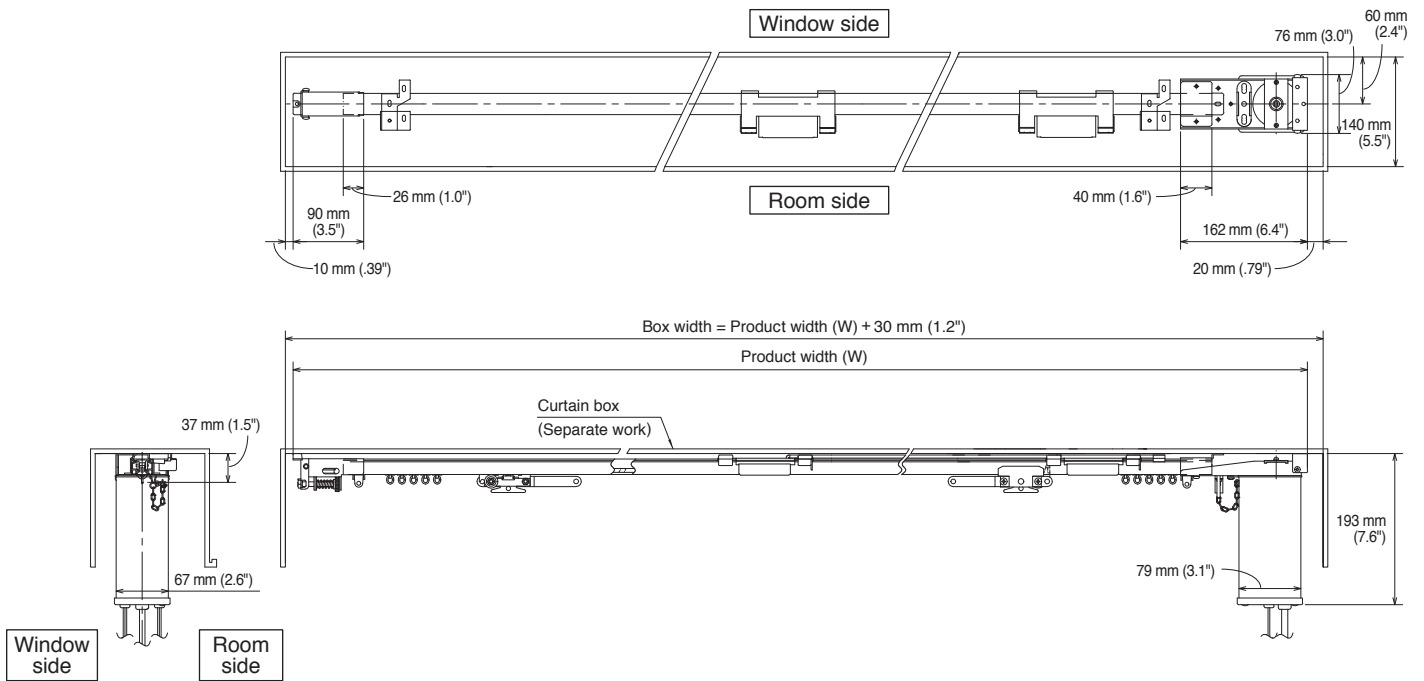
## Component Parts

Two-way draw  
(Master roller)

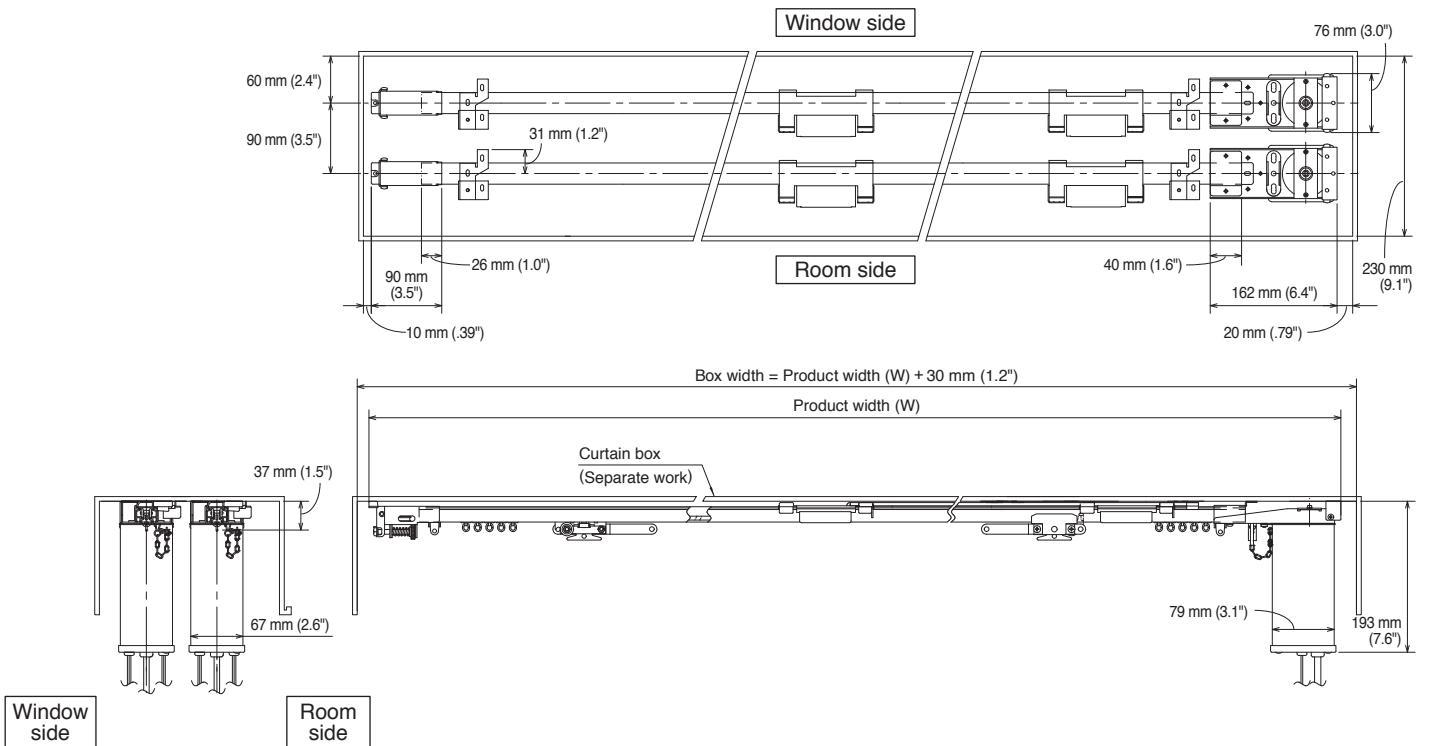


Installation Dimensions and Diagram

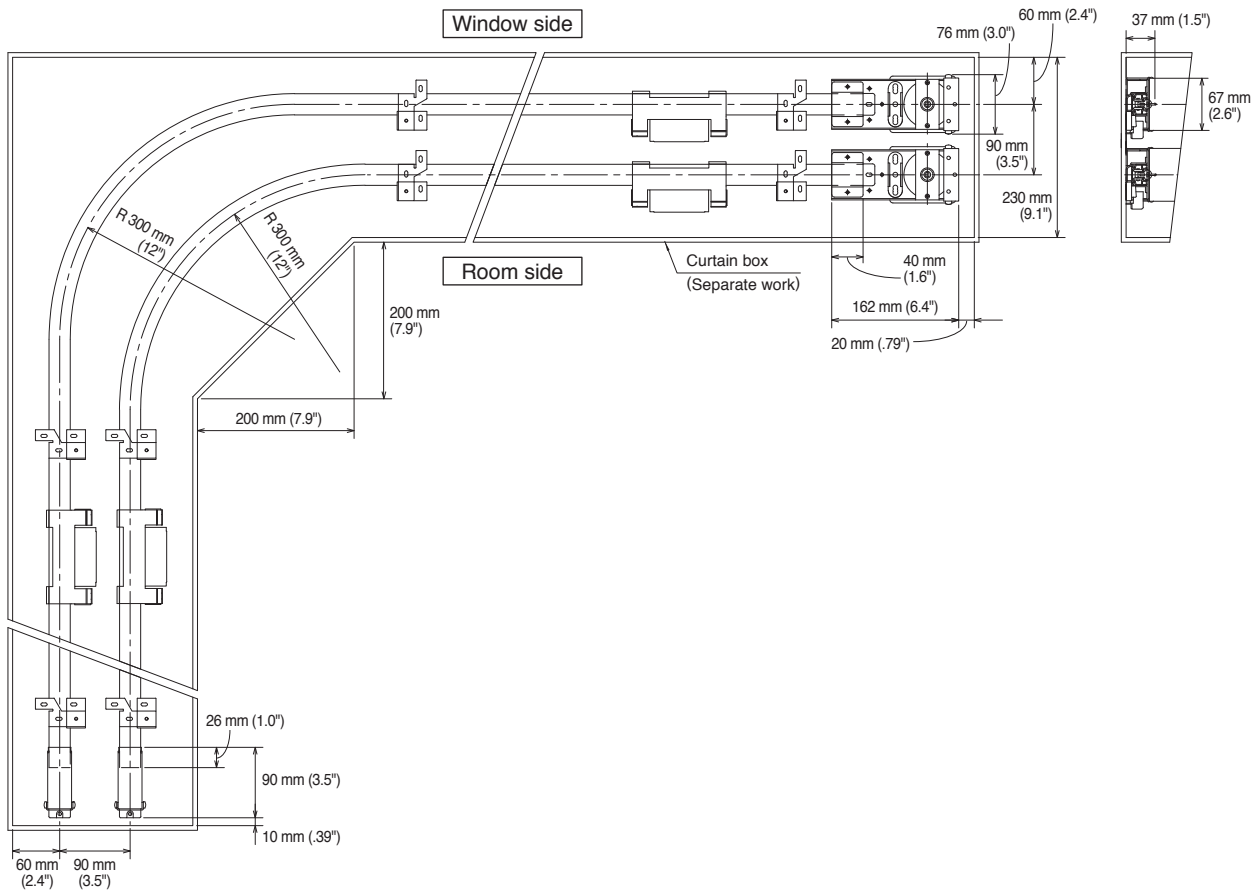
Straight: ceiling single attachment



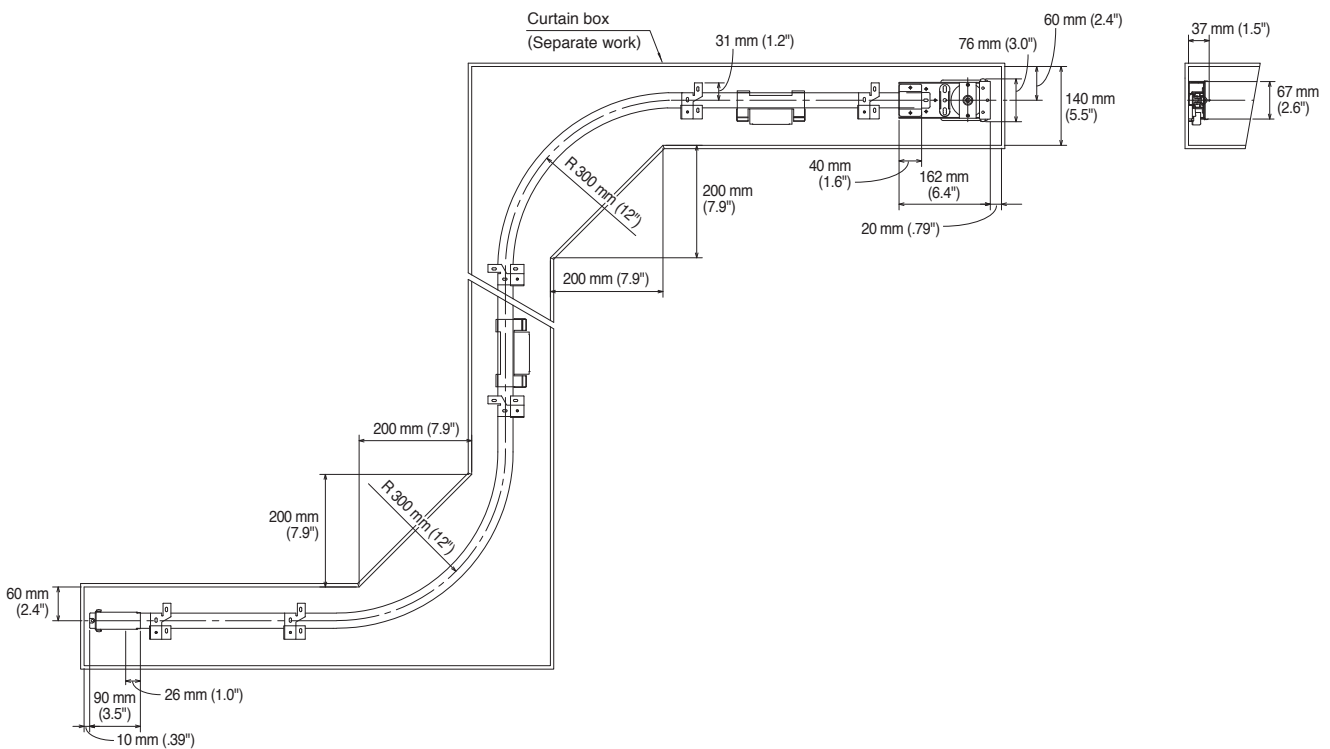
Straight: ceiling double attachment



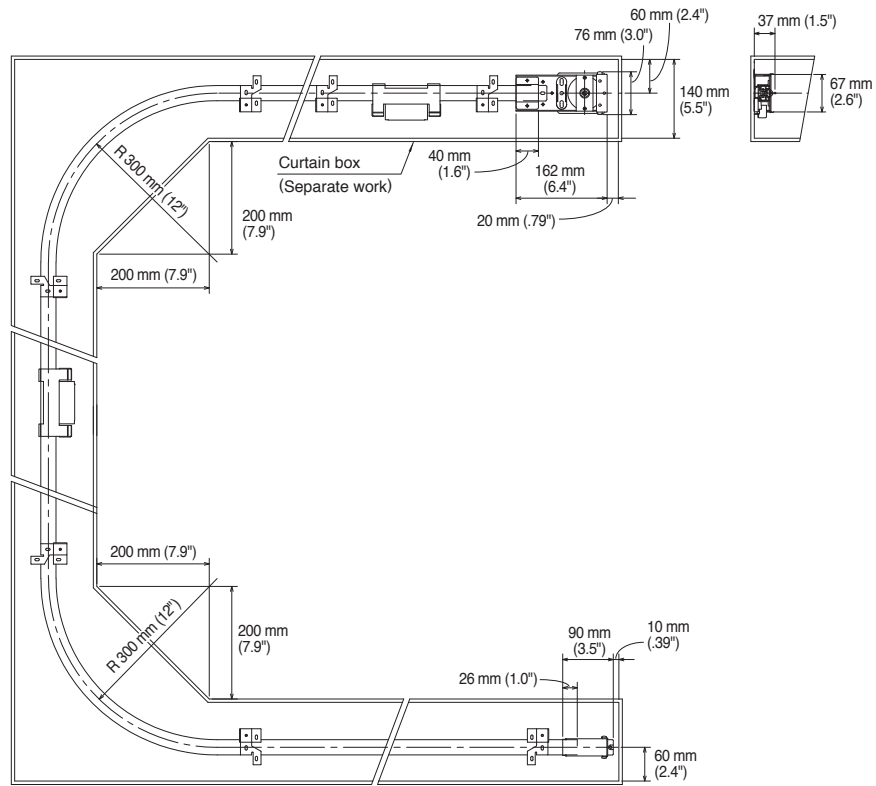
L-shaped curve: ceiling double attachment



S-shaped curve: ceiling single attachment

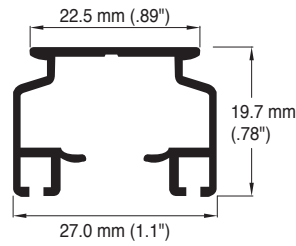


U-shaped curve: ceiling single attachment  
(Master roller)



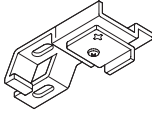
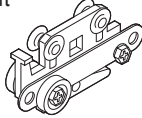
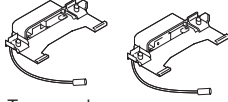
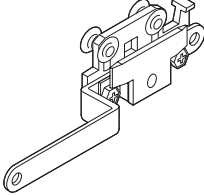
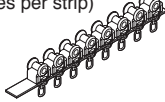
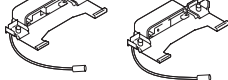
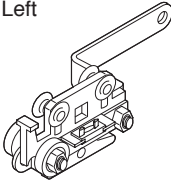

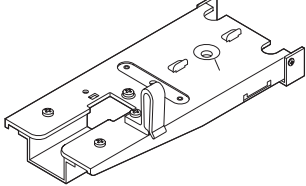
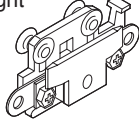
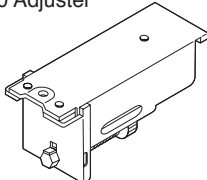
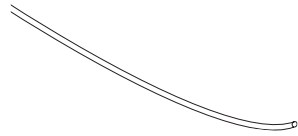
CM2000 Rail

White



Size	Product Code
	White
6.01 m (237")	65150001

Powerful + CM2000 Parts

Product Name	Product Code	Product Name	Product Code	Product Name	Product Code
Ceiling Single Bracket M2 	00510327	CM2000 Pilot Roller for Powerful Left 	01200015	CM2000 Limit Switch A  Two-way draw: 10 m (394") or less One-way draw: 5 m (197") or less Rail overlap (1000 mm/39"): 9 m (354") or less	Silver 00510305
CM2000 Master Roller for Powerful Right 	00510205	New Delac Roller (8 pieces per strip)  Natural	00210027	CM2000 Limit Switch B  Two-way draw: 10 m (394") to 20 m (787") One-way draw: 5 m (197") to 10 m (394") Rail overlap (500 mm/20"): 9.5 m (374") to 19 m (748")	White 00510328
CM2000 Master Roller for Powerful Left 	01200014	New Delac Intermediate Stop 	00210134	CM2000 Pulley Set 	White 00510329
CM2000 Pilot Roller for Powerful Right 	01200016	CM2000 Adjuster 	00510197	Kevlar Cord Ø 2.8 	00510200