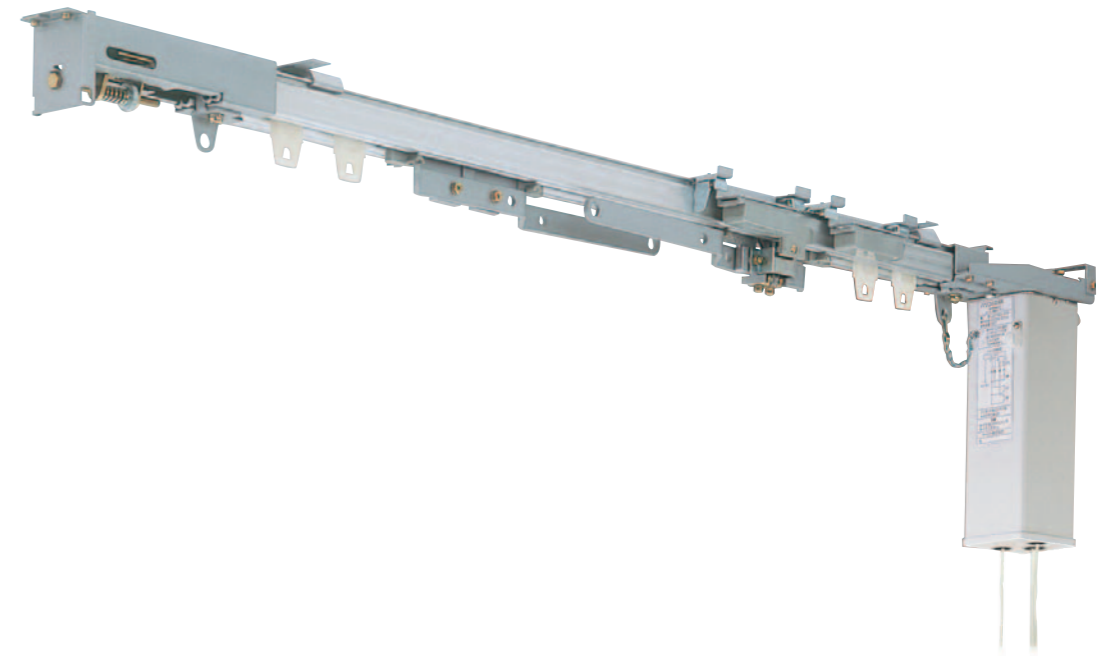


Motorized Curtain Track

Powerful + Theatrac



- Motorized rail for heavy draperies in locations such as theaters and gymnasiums.
- Available for an installation hung from a pipe.

Powerful + Theatrac's Unique Features

Exceptionally durable wire used for motor drive transmission.

Passed a 10,000 cycle open-close test.

Ready for draperies up to 20 m (787") long with 120 kg (265 lb) in weight.

Motor Specifications

Item		Powerful 3L Series				Powerful 4P Series					
		Powerful 3L 220 V		Powerful 3L-HM 220 V		Powerful 4P 220 V		Powerful 4P-HM 220 V		Powerful 4P-HL 220 V	
Rated power voltage	VAC	220		220		220		220		220	
Rated power frequency	Hz	50	60	50	60	50	60	50	60	50	60
Rated power current	A	0.4	0.35	0.4	0.35	0.4	0.35	0.4	0.35	0.4	0.35
Power consumption	W	80	75	80	75	80	75	80	75	80	75
Operating voltage	VAC	Same as power source		Same as power source		Same as power source		Same as power source		Same as power source	
Operating current	A	Same as power source		Same as power source		Same as power source		Same as power source		Same as power source	
Time rating	min.	5		5		5		5		5	
Overheat protection operating temperature	°C	120±10		120±10		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		Auto keep 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		3-button momentary contact switch Open: A contact Stop: B contact Close: A contact		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)		1.8 (4.0)		1.8 (4.0)	
Operating time	sec./m	3	2.5	5	4	3	2.5	5	4	10	8
Maximum curtain weight	kg (lb)	80 (176)		100 (221)		80 (176)		100 (221)		120 (265)	
Maximum rail length	m (in)	20 (787")		20 (787")		20 (787")		20 (787")		10 (394")	

*Maximum curtain weight is for a two-way draw.

Applicable Range

Type of curtain track	Theatrac		
		46.0 mm (1.8") 43.0 mm (1.7")	30.4 mm (1.2")
Installation Pattern	Straight		
	Master roller	M	
Power transmission type	Wire type		
	Rail overlap	M	
Hung from a pipe	M		

Powerful 3L Powerful 4P	Maximum curtain weight	kg (lb)	80 (176)
	Maximum rail length	m (in)	20 (787")
Powerful 3L-HM	Maximum curtain weight	kg (lb)	100 (221)
	Maximum rail length	m (in)	20 (787")
Powerful 4P-HM	Maximum curtain weight	kg (lb)	100 (221)
	Maximum rail length	m (in)	20 (787")
Powerful 4P-HL	Maximum curtain weight	kg (lb)	120 (265)
	Maximum rail length	m (in)	10 (394")

*Maximum curtain weight is for a two-way draw.

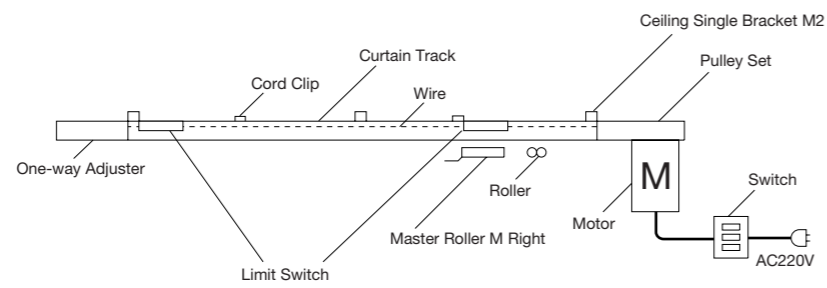
Stack-off Allowance Guide

Type	One-way Draw	Two-way Draw	
		Master Roller	Rail Overlap
Straight	$\frac{(\ell - 550 \text{ mm})}{100 \text{ mm}} \times 17 \text{ mm} + 530 \text{ mm}$	$\frac{(\ell - 720 \text{ mm})}{200 \text{ mm}} \times 17 \text{ mm} + 700 \text{ mm}$	$\frac{(\ell + 220 \text{ mm})}{200 \text{ mm}} \times 17 \text{ mm} + 360 \text{ mm}$
	$\frac{(\ell - 22")}{3.9"} \times .67" + 21"$	$\frac{(\ell - 28")}{7.9"} \times .67" + 28"$	$\frac{(\ell + 8.7")}{7.9"} \times .67" + 14"$

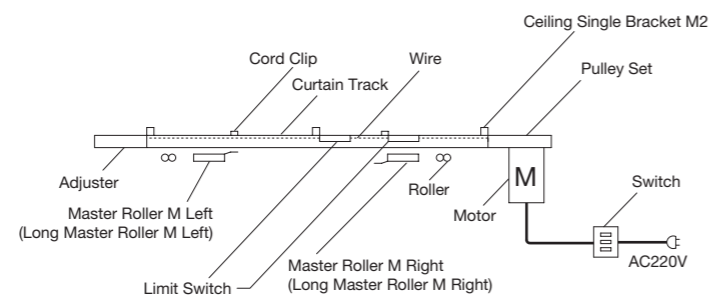
*Number of rollers: 6 pcs per meter. Overlap space for the overlap rail: 500 mm (20"). ℓ : total length. Two-way Draw in the table shows a length of stack-off space for one (half) panel.

Component Parts

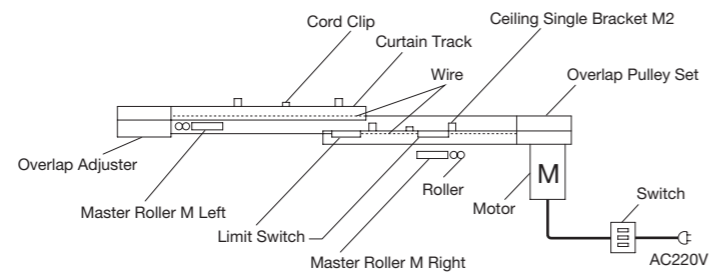
Straight: One-way draw



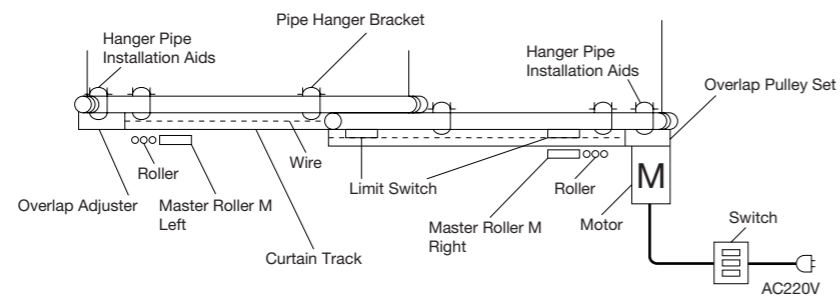
Straight: Two-way draw (Master roller)



Straight: Rail overlap

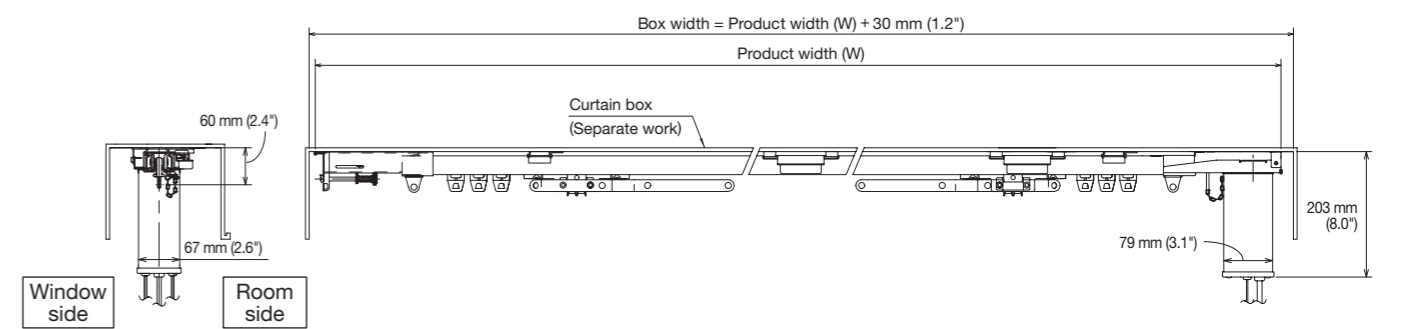
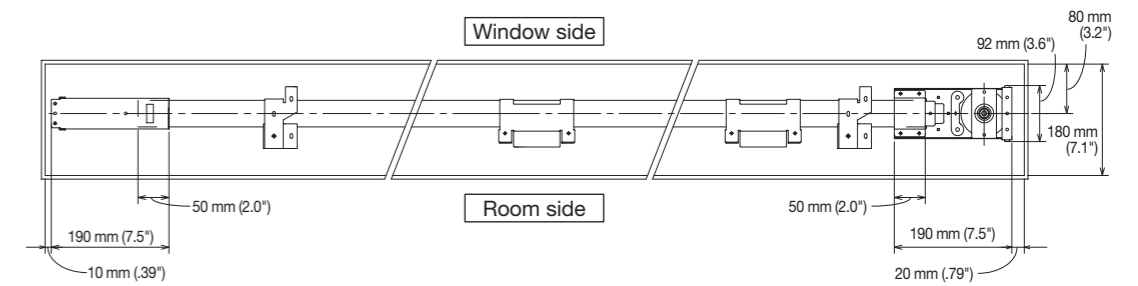


Straight: Hung from pipes (Master roller)

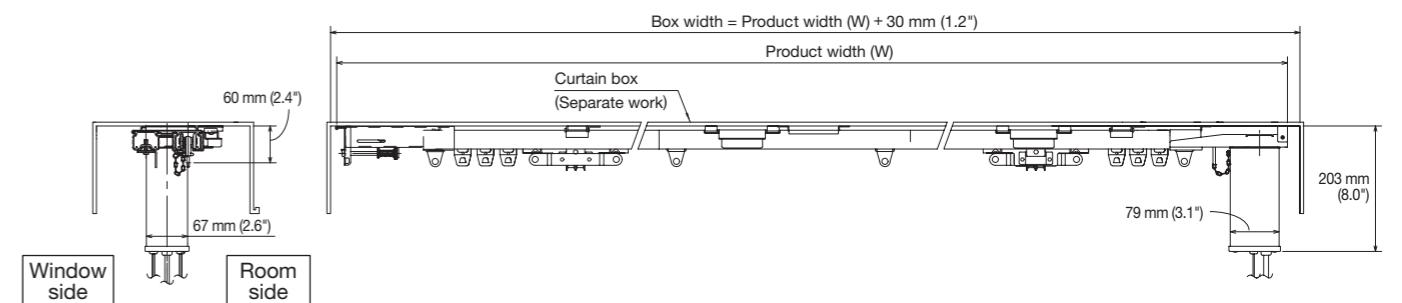
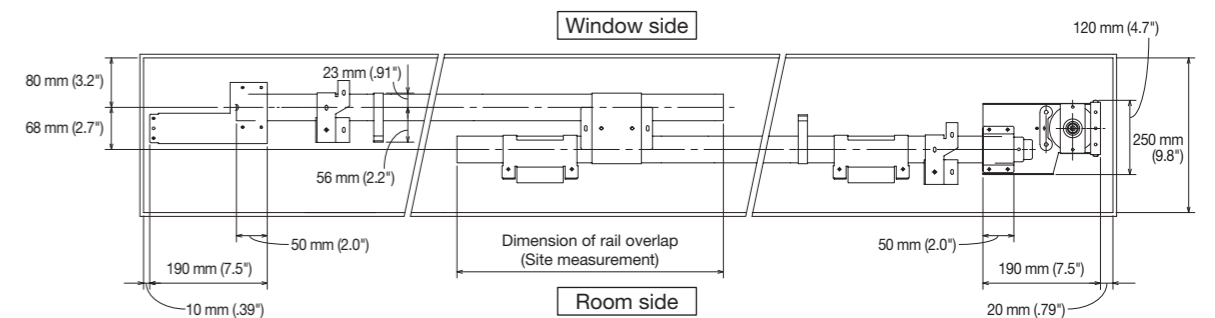


Installation Dimensions and Diagram

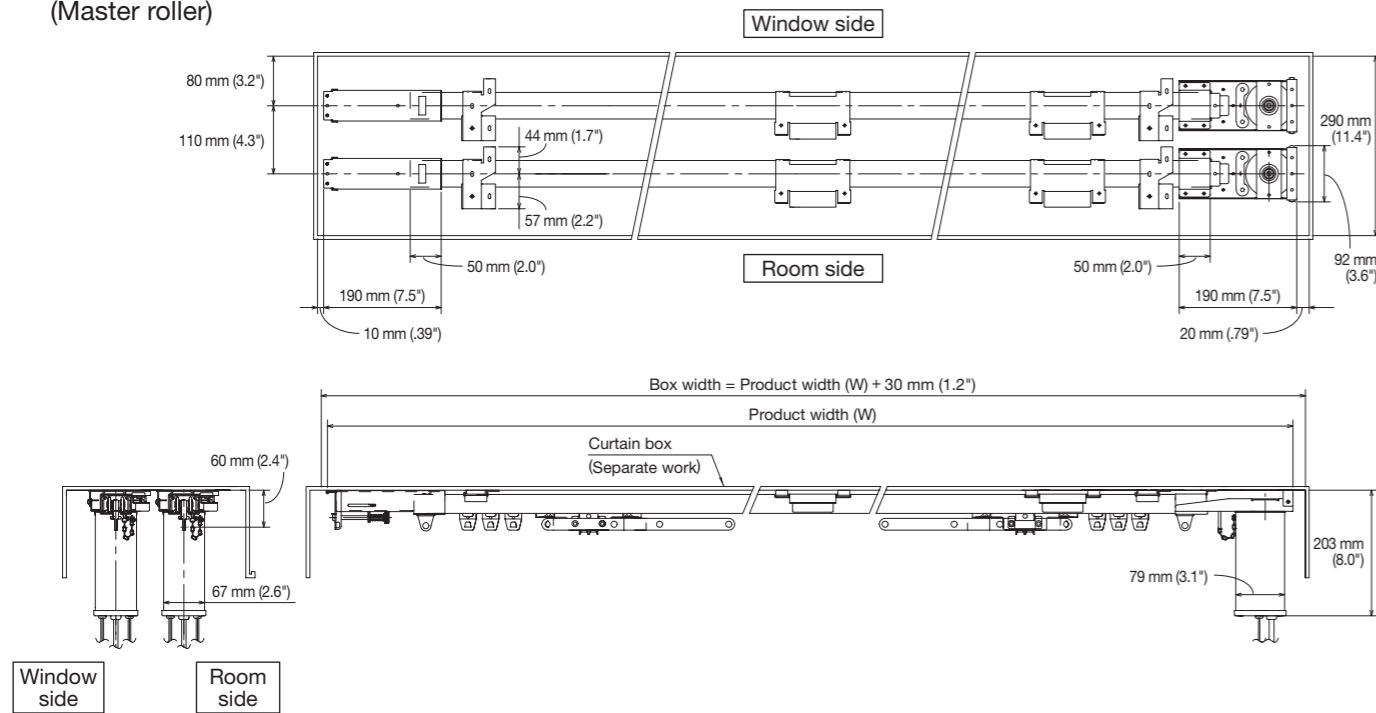
Straight: ceiling single attachment (Master roller)



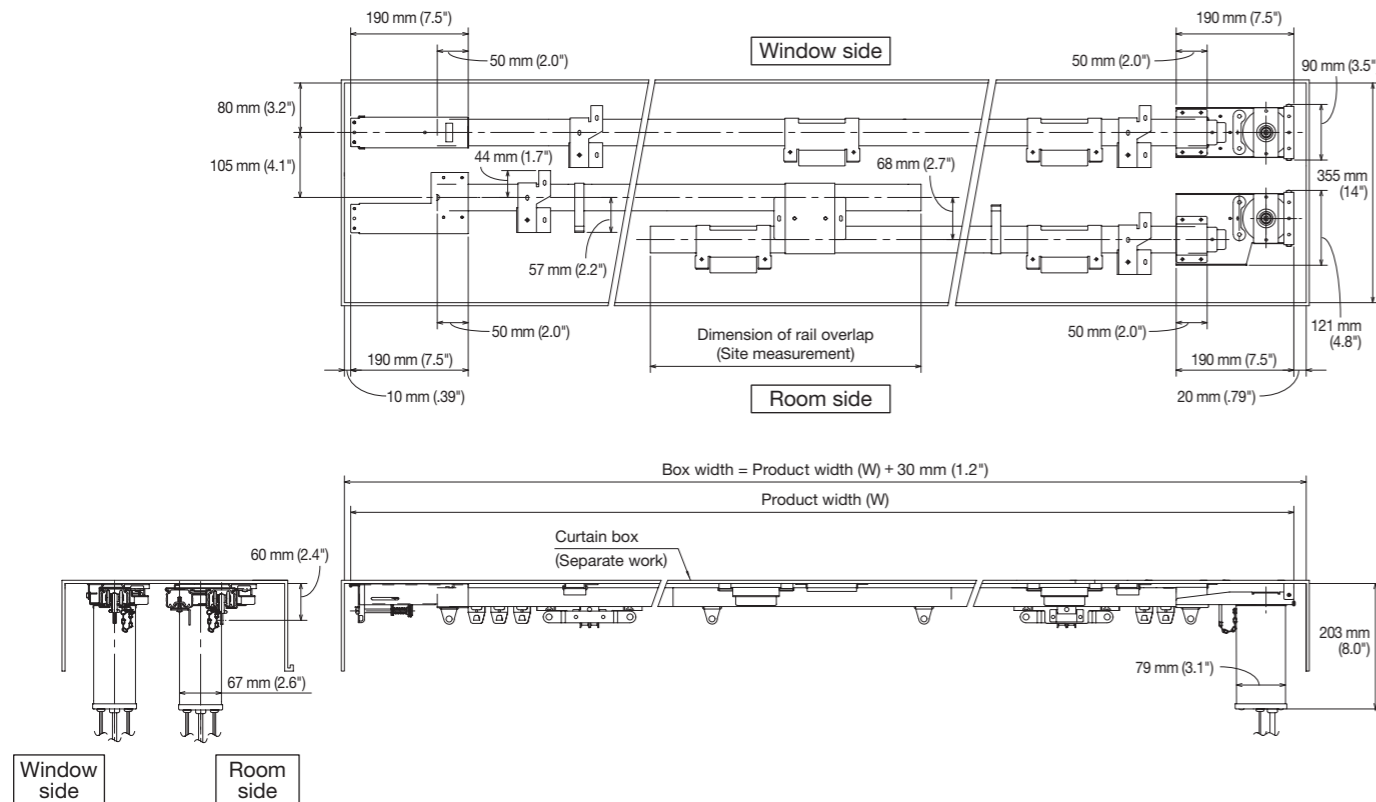
Straight: ceiling single attachment (Rail overlap)



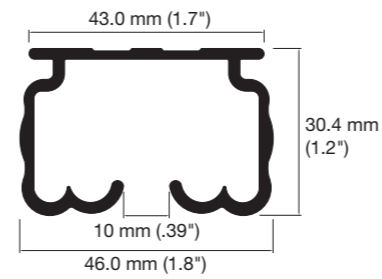
Straight: ceiling double attachment
(Master roller)



Straight: ceiling double attachment
(Room side: Rail overlap, Window side: Master roller)



Theatrac Rails



Natural Rails

Size	Product Code
3.00 m (118")	00250018
4.00 m (157")	00250017

Powerful + Theatrac Parts

Product Name	Product Code	Product Name	Product Code	Product Name	Product Code	
TH Ceiling Single Bracket M2	00510090	TH Overlap Installation Kit M	00510089	TH OT Splice	00250007	
TH Roller	00250012	Pulley Set: 1		Wire ϕ 2.5	00510079	
TH Master Roller M Right (wire)	00510092	Master Roller Right: 1 Master Roller Left: 1		TH Cord Clip	00510096	
TH Master Roller M Left (wire)	00510093	Adjuster: 1 Overlap Bracket: 1	TH Limit Switch A	00510320	TH Overlap Bracket	00250022
TH Pilot Roller M Right (wire)	00510094	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	TH Limit Switch B	00510321	TH Pipe Hanger Bracket for ϕ 33-50 mm (ϕ 1.3-2.0")	00510204
TH Pilot Roller M Left (wire)	00510095				Hanger Pipe Installation Aids (available Supertrac) for ϕ 33-50 mm (ϕ 1.3-2.0")	00510203
TH Pulley Set (wire)	00510097					
TH Adjuster	00510098					