

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

Powerful + Theatrac's Unique Features

Exceptionally durable wire used for motor drive transmission.

Passed a 10,000 cycle open-close test.

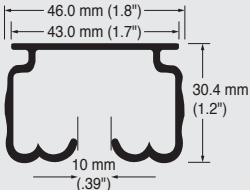
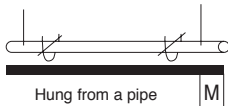
Ready for draperies up to 20 m (787") long with 120 kg (265 lb) in weight.

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										
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 	Powerful 3L	Maximum curtain weight	kg (lb)	80 (176)
Installation pattern	Straight	Powerful 4P	Maximum rail length	m (in)	20 (787)
	Master roller  Rail overlap  Hung from a pipe 	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)		
Power transmission type	Wire type				

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

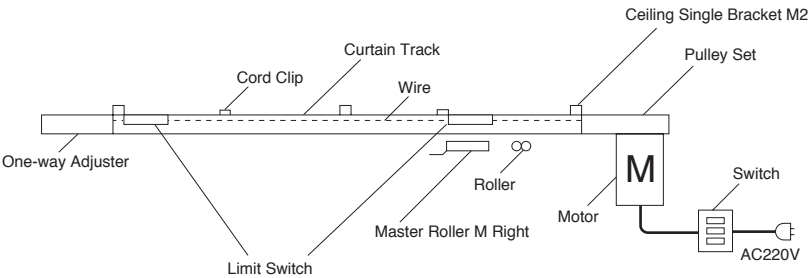
Stack-off Allowance Guide

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

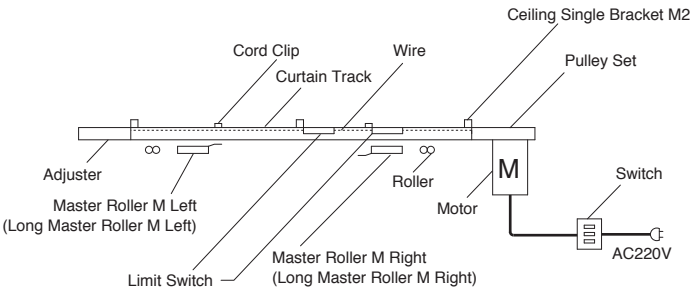
*Number of rollers: 6 pcs per meter. Overlap space for the overlap rail: 500 mm (20"). ℓ : total length. Two-way Draw in the table shows a length of stack-off space for one (half) panel.

Component Parts

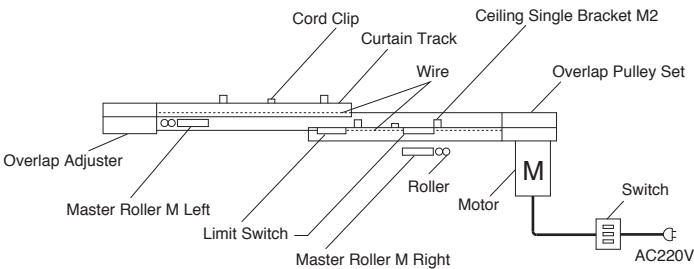
Straight: One-way draw



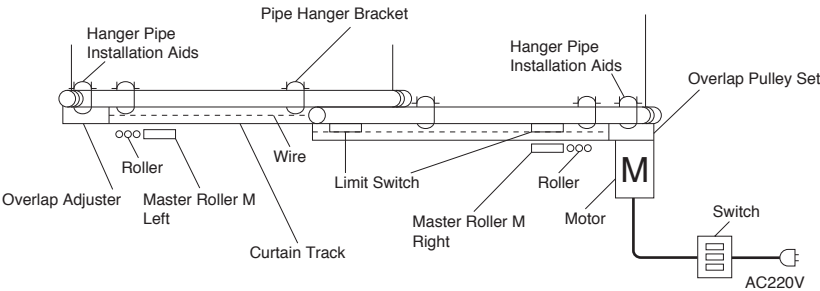
Straight: Two-way draw
(Master roller)



Straight: Rail overlap

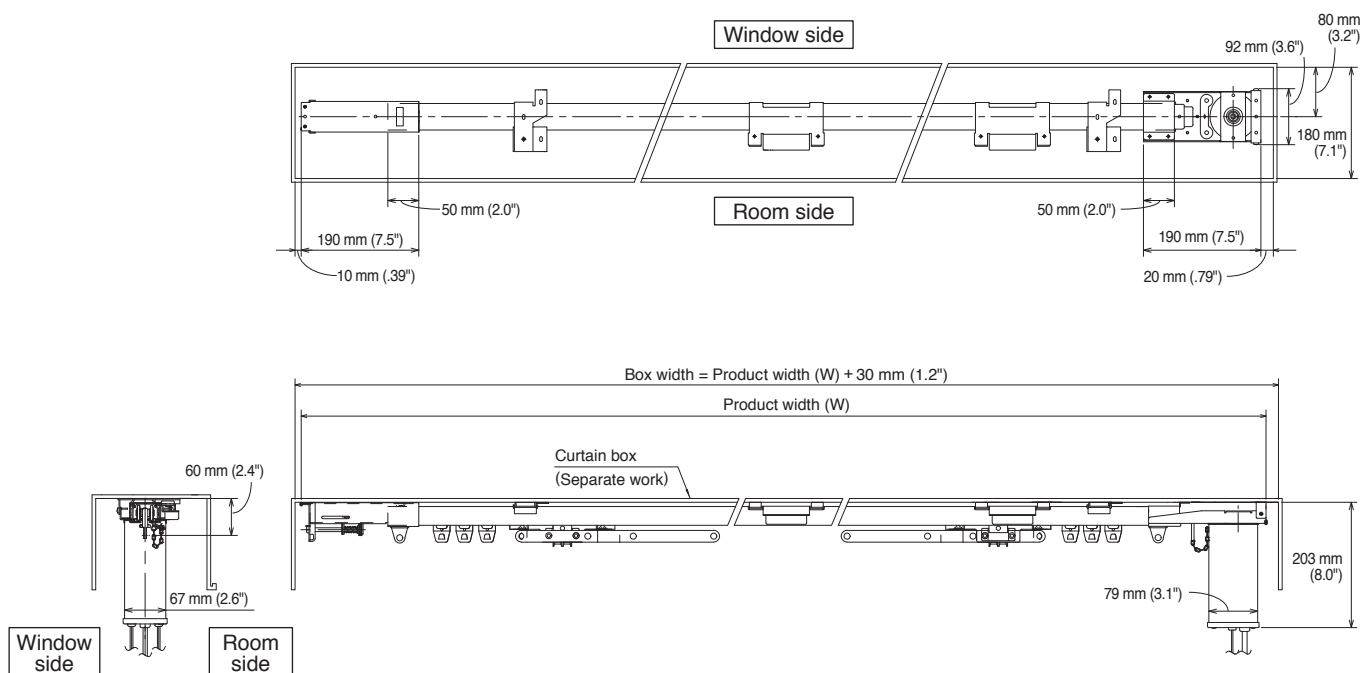


Straight: Hung from pipes
(Master roller)

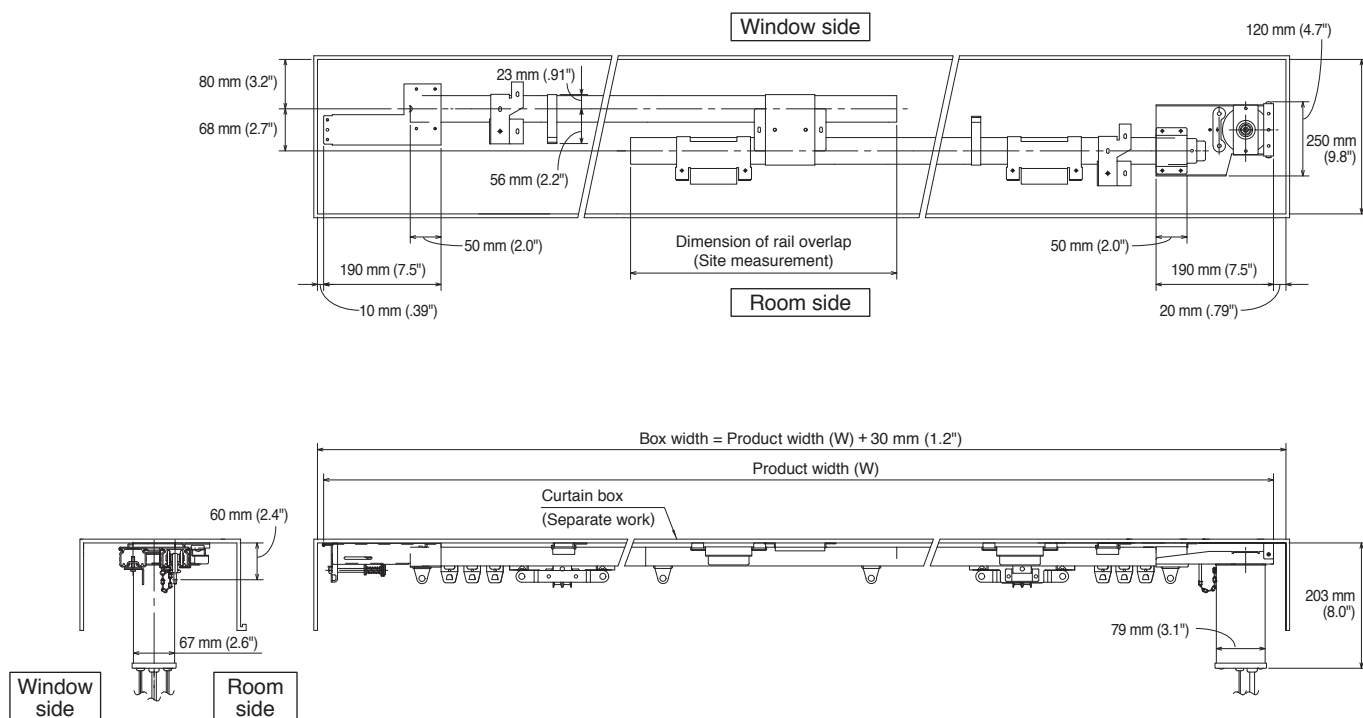


Installation Dimensions and Diagram

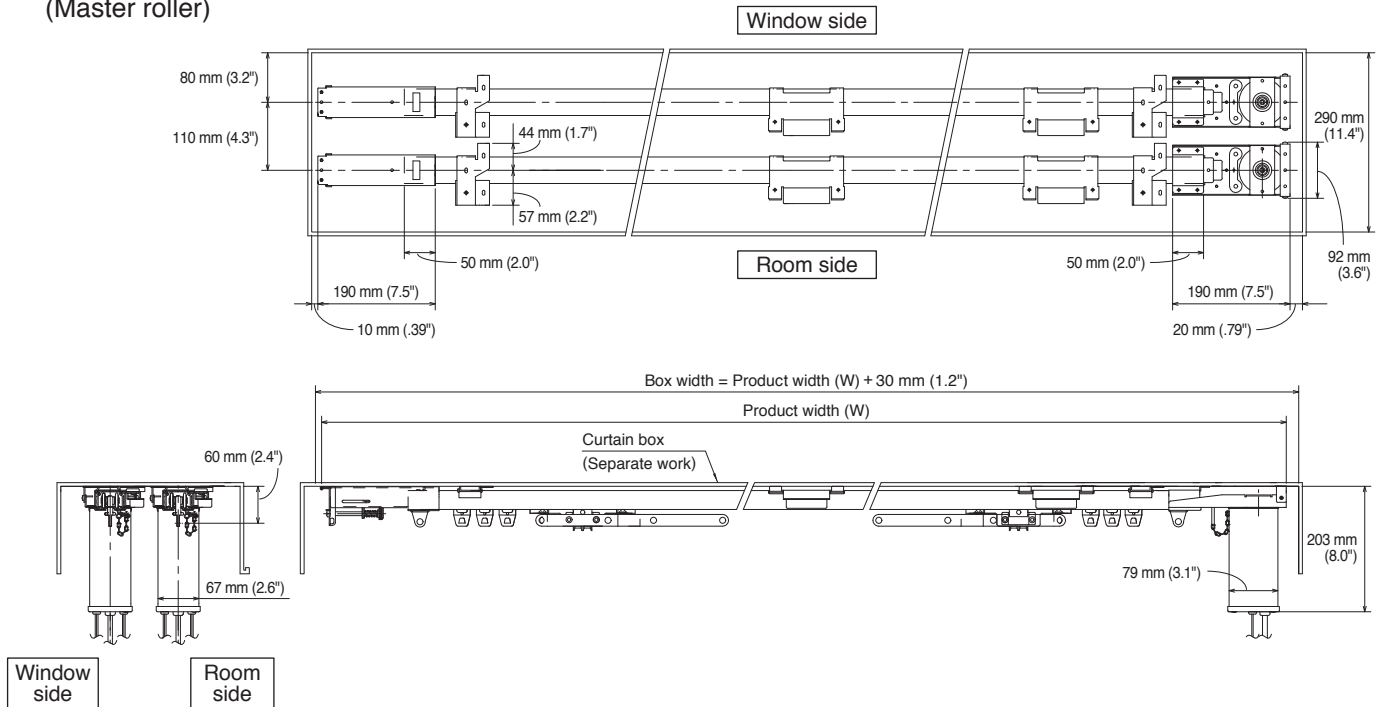
Straight: ceiling single attachment (Master roller)



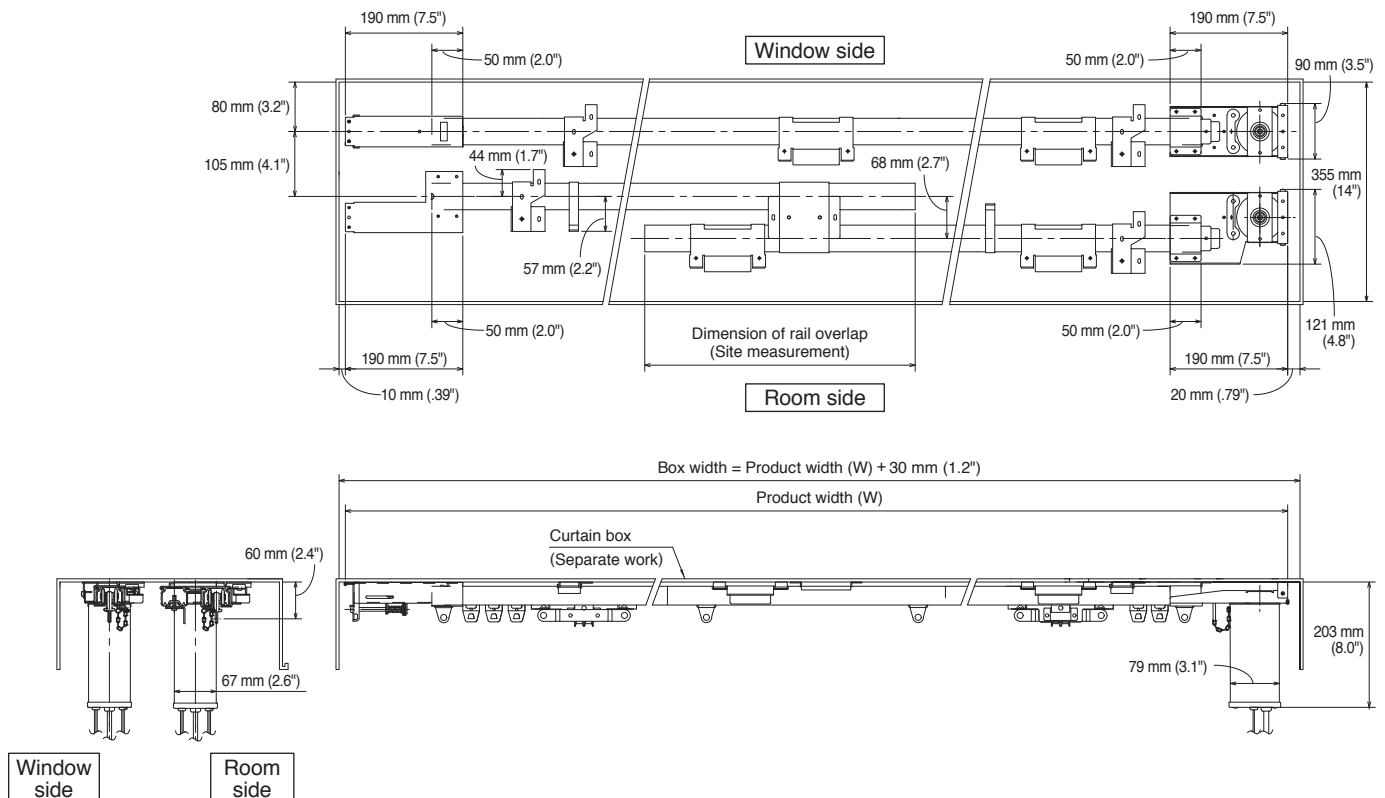
Straight: ceiling single attachment (Rail overlap)



Straight: ceiling double attachment (Master roller)



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

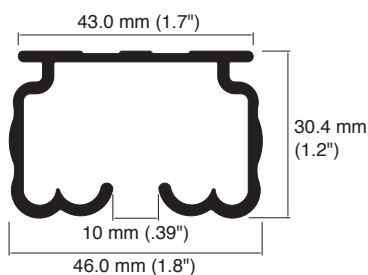


Theatrac Rails

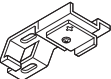
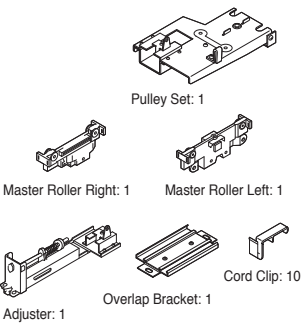
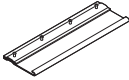
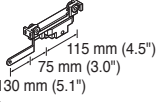
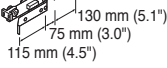
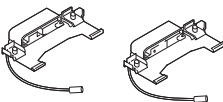
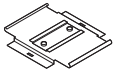
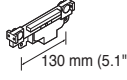
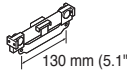
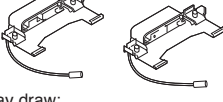
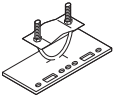
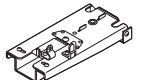
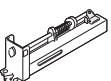
Silver



Size	Product Code
	White
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  27 mm (1.1")	00250012			Wire ø 2.5 	00510079
TH Master Roller M Right (wire)  115 mm (4.5") 75 mm (3.0") 130 mm (5.1") ℓ = 335 mm (13")	00510092			TH Cord Clip 	00510096
TH Master Roller M Left (wire)  130 mm (5.1") 75 mm (3.0") 115 mm (4.5") ℓ = 335 mm (13")	00510093	TH Limit Switch A 	00510320	TH Overlap Bracket 	00250022
TH Pilot Roller M Right (wire)  ℓ = 170 mm (6.7") 130 mm (5.1")	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 Pipe Hanger Bracket for ø 33–50 mm (ø 1.3–2.0") 	00510204
TH Pilot Roller M Left (wire)  ℓ = 170 mm (6.7") 130 mm (5.1")	00510095	TH Limit Switch B 	00510321	Hanger Pipe Installation Aids (available Supertrac) for ø 33–50 mm (ø 1.3–2.0") 	00510203
TH Pulley Set (wire) 	00510097				
TH Adjuster 	00510098				

