

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 3L-HL 220 V		Powerful 4P 220 V		Powerful 4P-HM 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	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Power consumption	W	85	85	85	85	85	85	85	85	85	85
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 ± 5		120 ± 5		120 ± 5		120 ± 5		120 ± 5	
Internal electric circuit		Built-in Inter rock 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	
Operating switch spec.		Locker switch		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	
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	6	5	12	10	3	2.5	6	5
Maximum curtain weight	kg (lb)	80 (176)		100 (221)		120 (265)		80 (176)		100 (221)	
Maximum rail length	m (in)	20 (787)		20 (787)		10 (394)		20 (787)		20 (787)	

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

Applicable Range

Type of curtain track				Powerful 3L Powerful 4P	Maximum curtain weight	kg (lb)	80 (176)	
	Installation pattern	Straight			Maximum rail length	m (in)	20 (787)	
Power transmission type		Wire type				Powerful 3L-HM	Maximum curtain weight	kg (lb)
				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 3L-HL	Maximum curtain weight	kg (lb)	120 (265)		
				Maximum rail length	m (in)	10 (394)		

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

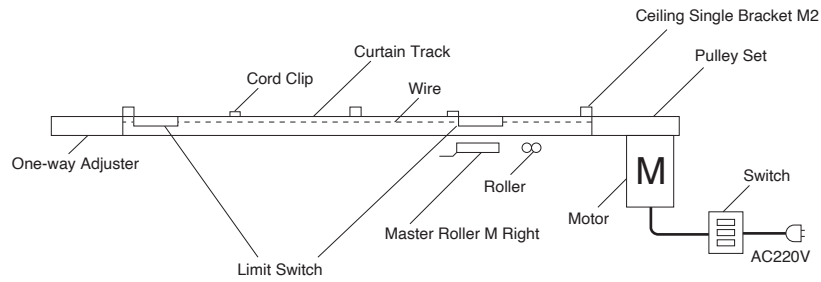
Stack-off Allowance Guide

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

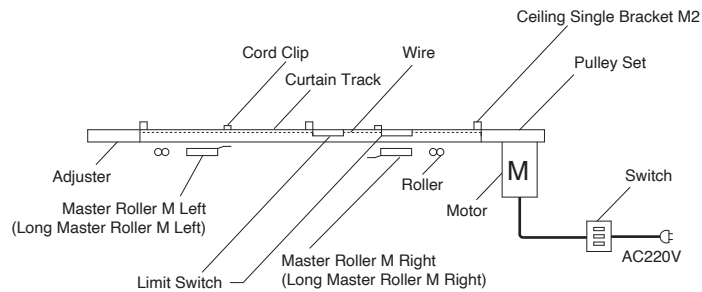
\*Number of rollers: 6 pcs per meter. Overlap space for the overlap rail: 500 mm (20").  $\ell$ : total length. Two-way Draw in the table shows a length of stack-off space for one (half) panel.

## Component Parts

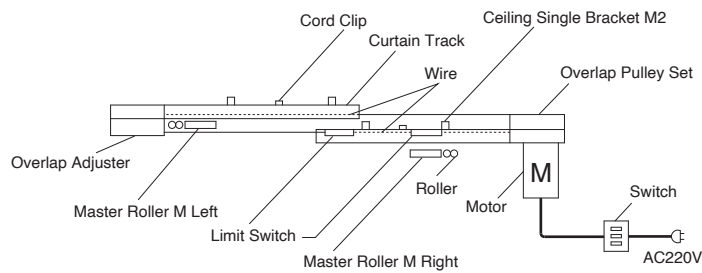
Straight: One-way draw



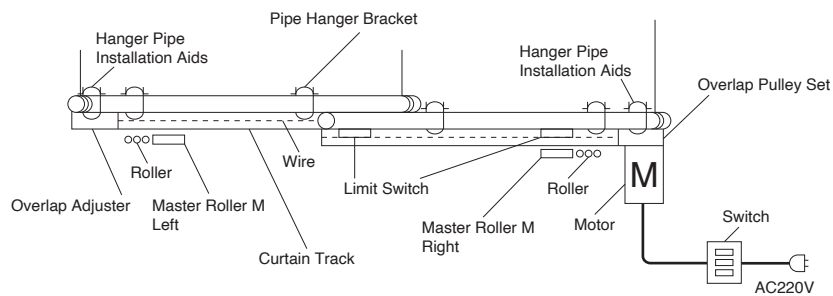
Straight: Two-way draw (Master roller)



Straight: Rail overlap

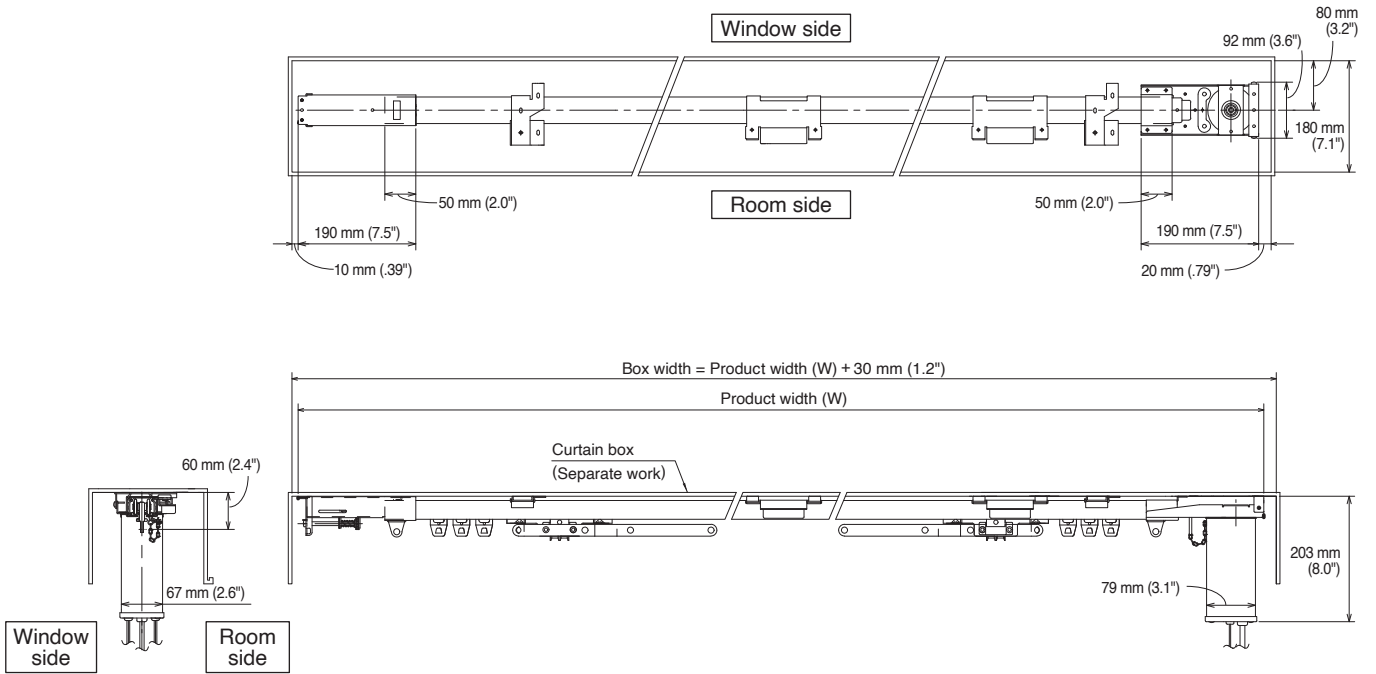


Straight: Hung from pipes (Master roller)

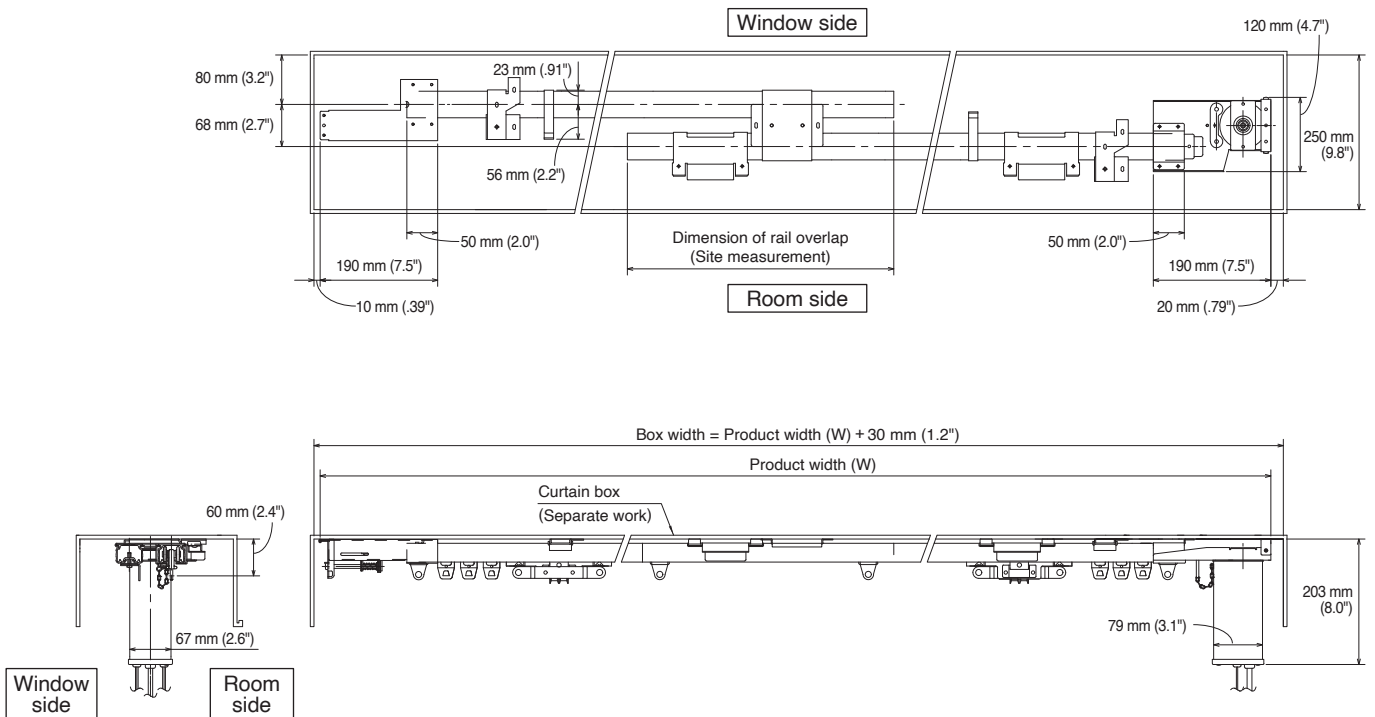


Installation Dimensions and Diagram

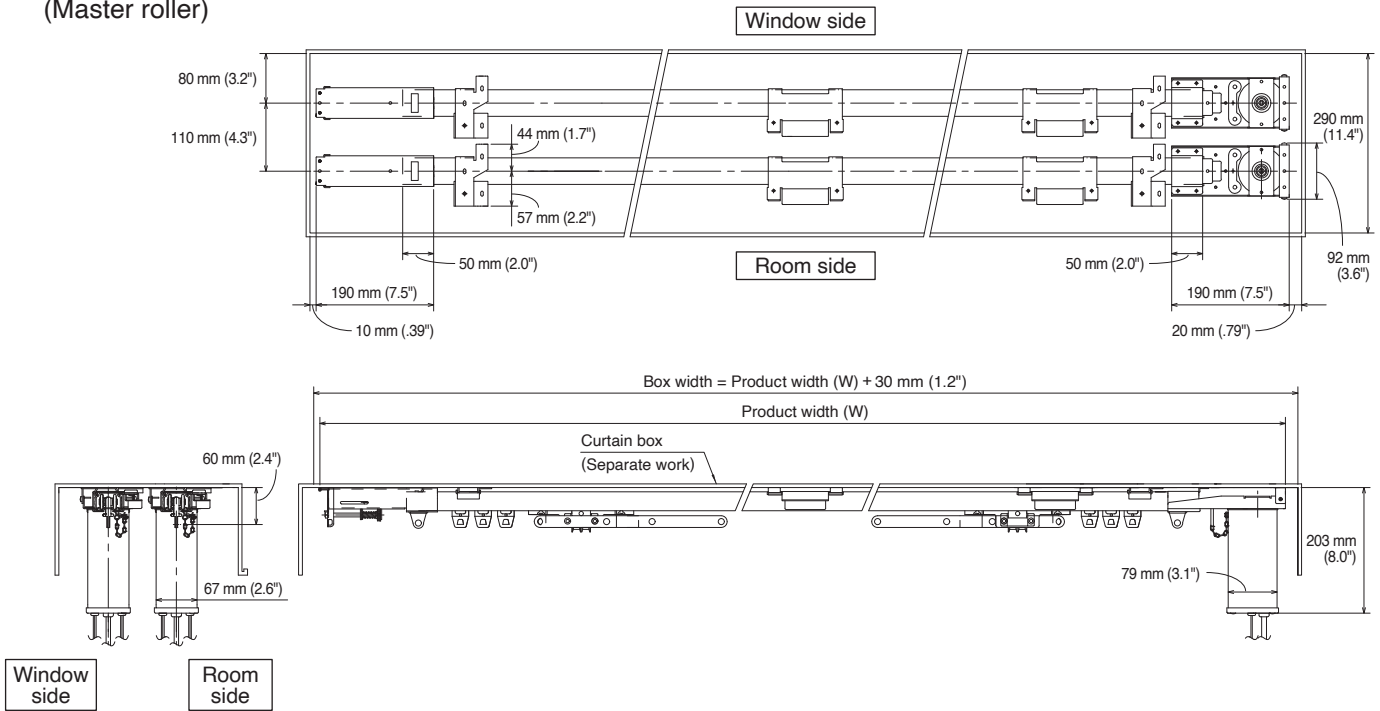
Straight: ceiling single attachment  
(Master roller)



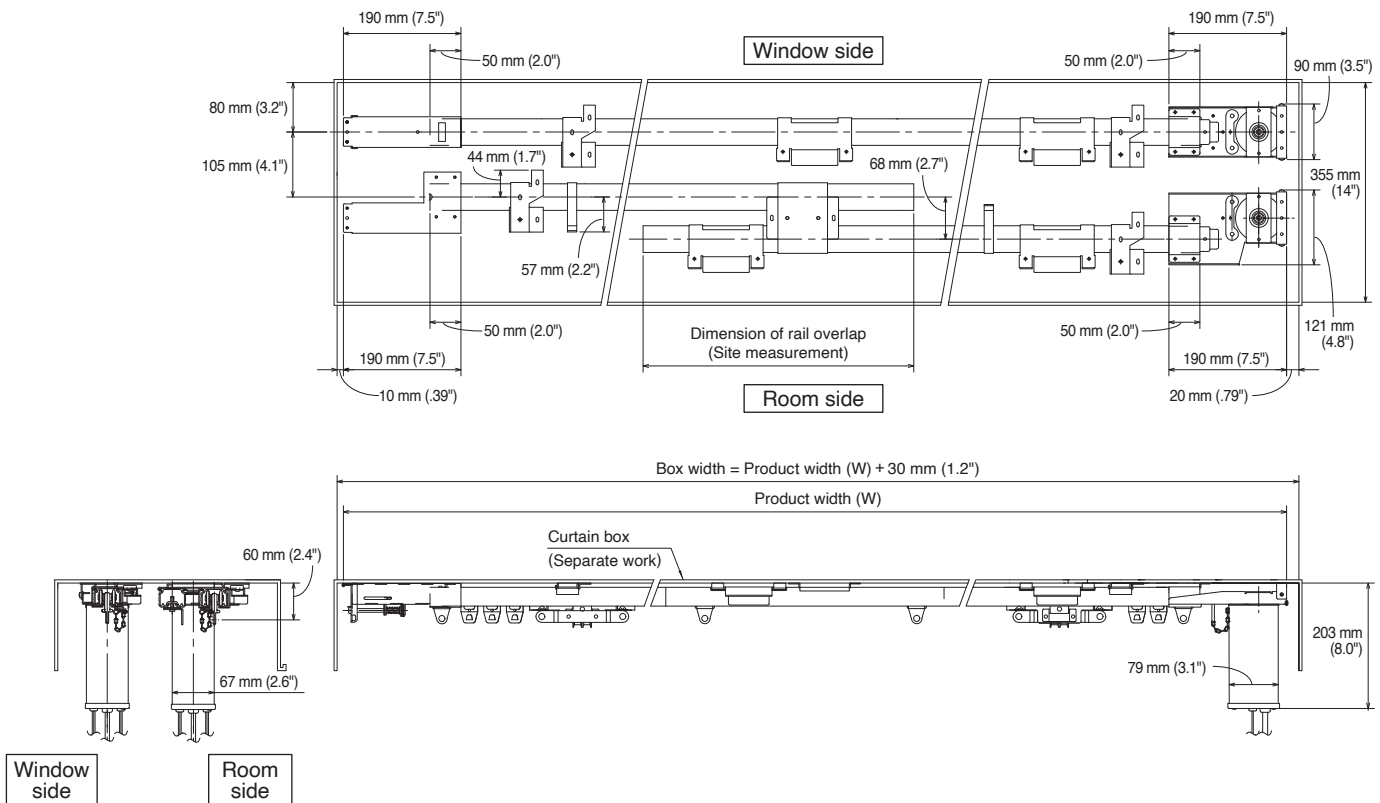
Straight: ceiling single attachment  
(Rail overlap)



## Straight: ceiling double attachment (Master roller)

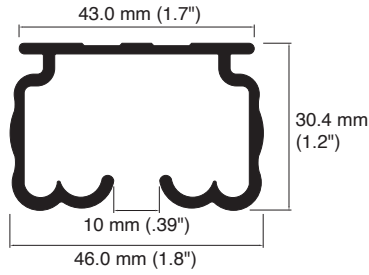


## Straight: ceiling double attachment (Room side: Rail overlap, Window side: Master roller)



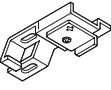
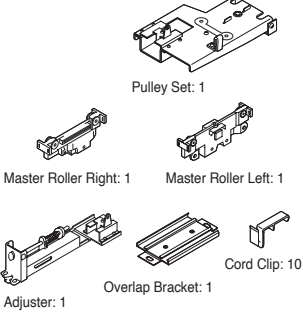
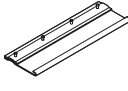

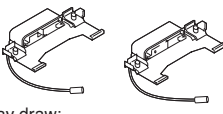

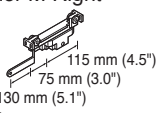
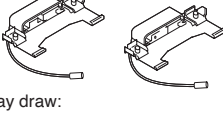

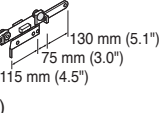


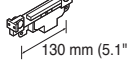
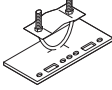
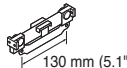
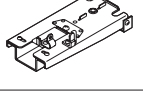
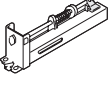
Theatrac Rails

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	TH 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	00510320	Wire $\varnothing$ 2.5 	00510079
TH Master Roller M Right (wire)  115 mm (4.5") 75 mm (3.0") 130 mm (5.1") $\ell = 335$ mm (13")	00510092	TH 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")	00510321	TH Cord Clip 	00510096
TH Master Roller M Left (wire)  130 mm (5.1") 75 mm (3.0") 115 mm (4.5") $\ell = 335$ mm (13")	00510093	TH Overlap Bracket 	00250022	TH Pipe Hanger Bracket for $\varnothing$ 33–50 mm ( $\varnothing$ 1.3–2.0") 	00510204
TH Pilot Roller M Right (wire)  $\ell = 170$ mm (6.7") 130 mm (5.1")	00510094	TH Pipe Hanger Installation Aids (available Supertrac) for $\varnothing$ 33–50 mm ( $\varnothing$ 1.3–2.0") 	00510203		
TH Pilot Roller M Left (wire)  $\ell = 170$ mm (6.7") 130 mm (5.1")	00510095				
TH Pulley Set (wire) 	00510097				
TH Adjuster 	00510098				

