

Product Data Sheet

SM 4600 L

Flexible High-Speed Overhead Coiling Door Suited for XL Openings



● Standard ○ Optional

Design Specifications		Description	Remark
Panel Design	Bulldog XT	Abrasion Resistant 2-Ply 1/8in (2.8mm) Thick Poly-Reinforced 90Oz/Yd ² Vinyl	Available in Orange, Blue, Black, and Gray. ●
	Vision Section	Full Width Vision Panel 1/8in (3mm) Clear PVC	2 Vision ● 1 Vision or No Vision ○
	Screen Section	Vinyl coated 1000 density polyester core yarn in warp and fill. 0.03in (0.75mm) Thick, 10.3 oz./yd ²	Fabric Openness 46.9% ○ Full-Width Continuous Screen ○
	Aluminum Hinge Profiles	6063-T6 Clear Anodized Extruded Aluminum	●
Bottom Edge	Aluminum Bottom Bar	6063-T6 Clear Anodized Aluminum with EPDM Rubber Edge and Loop Seal	●
Tracks		11Ga self supporting HDG steel tracks, 11Ga HDG steel covers Painted or Powder Coated Any RAL	● ○
Weather Seals	Lintel Seal	Black Polypropylene Brush	●
	Track Seals	Dual Black Polypropylene Brush Track Seals with UHMW Wear Guide	●

Electrical Specifications		Description	Remark
Drive System	Operator	Direct Drive 4.8hp Operator. 272V Δ 12.4 FLA (for 3ph feed)	See Control Box Requirements for Field Connection Voltage Feed Specifications IP54 ●
	Encoder	Integrated DES Encoder for High Accuracy Door Positioning	●
	Brake	Integrated 24 Vdc Holding Brake	●
Control Box	On-Site Power Requirements	208 - 240V/3ph/60Hz	Transformer Supplied ○
		460-480V/3ph/60Hz	Reference Control Box Manual for Voltage Tolerances ○
		575-600V/3ph/60Hz	Transformer Supplied ○
		Max 20 Amp Class CC Fuses Required	●
	NXT VFD With Quick Connect Terminals		Listed Per UL 61800-5-1, UL325, and UL991 ●
	Enclosure		NEMA 4X Indoor RAL7035 Light Gray Powder Coated Finish ●
			NEMA 4X Indoor 304 Stainless Steel ○
Other Features	10 Programmable Inputs and 3 Programmable Relay Outputs	●	
	Up to 2.4A of Onboard 24VDC for Accessories	●	
	Expansion Boards	1&2 Channel Loop Detectors; I/O Expansion Options ○	

Energy Analysis		Description	Remark
Visible Transmittance		0.83	Per calc ANSI / NFRC 200-2014 (Clear Vision Panels)
Solar Heat Gain Coefficient (G-Value)		0.81	Per test EN 717-1, DASMA TDS-163 (Without Vision)
Thermal Resistance (R-Value)		R 1.73 (ft ² x °F x hr)/BTU R 0.3 (m ² x K)/W	Per test EN 717-1, DASMA TDS-163 (Without Vision)
Heat Transfer Coefficient (U-Factor)		U 0.58 BTU/(hr x ft ² x °F) 3.30 W/(m ² K)	Per test EN 12667: 199997-11, DASMA TDS-105
Acoustic Insulation		STC 24 Rw 21 dB	Per test EN 717-2, ASTM E90



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