

Product Data Sheet

Speed-Master® 4600 L

Flexible High-Speed Overhead Coiling Door Suited for XL Openings



Features



The Speed-Master® High speed line of doors provide advanced controls and fast opening speeds.

- Smart Start™ NXT, NEMA 4X programmable control box.
- Speed: Up to 24"/sec. open, 24"/sec. close.
- Patented, sectional design, able to self-realign displaced panels into guide tracks.
- Hot-dipped galvanized steel guide tracks.
- Integral non-contact light grid entrapment protection.
- Emergency operation via chain hoist.
- Ultra tough, 2-ply reinforced puncture resistant 'Bulldog XT' fabric panels.
- Available Clear PVC window panels.
- Panel Colors: Orange, Blue, Black, Gray.
- Panels joined with continuous, heavy-duty aluminum hinges with Windlock panel retention for greater wind pressures.
- 5 & 2 year warranty protection plan. 5 yrs. motor/gearbox and panels. 2 yrs. other mech./elec.

Technical Data		Remark	
Speed-Master® 4600 L Flexible, high speed overhead rapid coiling door suited for XL openings.		Specify High Performance Doors in Section 08 33 30.13 'Overhead Rapid Coiling Doors' Find CSI format documents available at MasterSpec®, SpecLink, and Hormann.us®	
Application		Exterior or Interior	
Speed		Hood required for exterior mounted doors	
		Opening	Closing
		Up to 24"/sec.	Up to 24"/sec.
Control Box		Variable speed based on opening height	
		Smart Start™ NXT (11 5/8"W x 15 3/4"H x 8 1/2"D)	
Roll-up Technology		Standard, NEMA 4X rated	
		Hollow-core steel roll tube with precision-welded axles	
 Overhead Coiling	Door Construction	Standard	
	Size Range	Max. Opening Area: 690 sqft. Standard	
	Guide Track Profile	(W x D) Footprint	
	Roll Tube Diameter	Hollow core	
	Solid Panel(s) Height	--	
	Vision Panel(s) Height	2nd & 3rd panels only	
Required Headroom	32" min.		--
Drive Mechanism		Direct-drive operator with chain lift mechanism	
Counterbalance System		Not Required	
Braking		Control box activated 24V DC brake	
Cycleability / Maintenance		High Cycleability Inspect at 6 mo. intervals	
		Consult factory for details	
Safety Features		Built-in light grid, chain hoist open/close	
		Standard	
Resistance to Wind Load		Consult factory for details.	
		Windlocks recommended for heavy pressure apps.	
Fire Resistance Rating		Non-rated, Non-conforming exit	
		Per 2012 IBC Section 1008	
Warranty		5 & 2 years. Motor/gearbox and Panels (5), all other mech./elec. (2)	
		Standard	
Materials and Finishes			
Guide Tracks & Covers		12-ga. HDG steel tracks, 16-ga. HDG steel covers	
		Zinc, Class G90 (0.9 oz. per SF)	
Door Header Assembly, Roll Tube		12-ga. Hot-dipped galvanized steel	
		Zinc, Class G90 (Panel Wheel Guides, Aluminum)	
Weather Seals		Twin vinyl brush, jamba and lintel	
		--	
Panel Hinges		30-ga. Clear Anodized Extruded Aluminum Profiles	
		--	
Solid Door Panels: (Standard)	90 Oz. "Bulldog XT" Fabric, Aluminum Panel Connectors	Abrasion resistant, 2-ply polyseter reinforced "Bulldog XT" PVC sheet, 2.8mm Thick, 90 oz./yd ²	
		Color Availability: Orange, Blue, Black, Gray	

Product Data Sheet (Continued)



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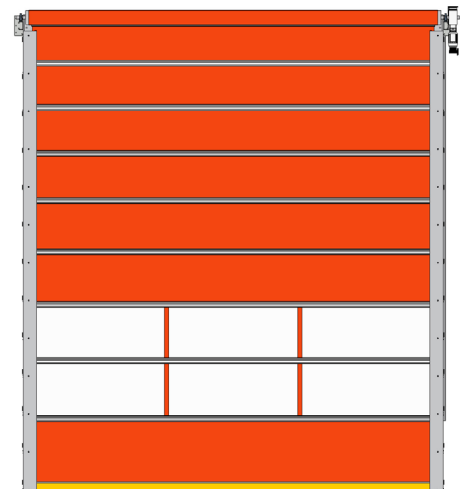
Materials and Finishes (Continued)			Remark
Vision Door Panels: (Standard)	Full-Width Continuous	Abrasion resistant, transparent PVC sheet, 2.8mm Thick, 45 oz./yd ²	Color Availability: Clear
Ventilation Door Panel: (Optional) Consult factory for availability	Full-Width Continuous Removable Screen Panel	Vinyl coated 1000 density polyester core yarn in warp and fill. 0.6 mm Thick, 10.4 oz./yd ²	Ventilation panel frame, extruded anod. aluminum Fabric Openness 46.9%
Electric Door Operator		Cast aluminum	--
Control Panel		Stainless steel, or baked-on polyester powder coat painted. Color RAL 7035 Light Gray	--
Hood and Motor Cover		16-ga. Hot-dipped galvanized steel	Zinc, Class G90 (0.9 oz. per SF)
Energy Analysis			
Visible Transmittance (Tvis)		0.83%	Per calc ANSI/NFRC 200-2014 (Clear Vision Panels)
Solar Heat Gain Coefficient (SHGC)		0.81%	Per calc ANSI/NFRC 200-2014 (Clear Vision Panels)
Thermal Resistance (R-value)		R 1.73	Per test EN 717-1, DASMA TDS-163 (Without Visions)
Heat Transfer Coefficient (U-value)		U 0.73	Per test EN 12667: 199997-11, DASMA TDS-105
Acoustic Insulation		STC 24, R _w 21 dB	Per test EN 717-2, ASTM E90 (Without Visions)
LEED Credit		Mrc2, Mrc4, EQc5	USGBC® LEED v4
Electrical			
Electric Door Operator (Motor)		2.0 HP GfA Elektromaten F50	NEMA Type 3 / IP54
Operating Voltage (Motor)		3 PH, 400vAC to 480vAC	From Control Box to Motor
Control Box		5 KW variable frequency drive rated for operating voltage	NEMA Type 4X / IP66, UL/CUL Listed
Standard Power Requirement (to Control Box)		208vAC - 575vAC, 3 PH, 60 Hz	Step-up Transformer req. for supply volts ≥ 460vAC
Full Load Amps		13.3 A	Operator
Disconnect		Fuse: 20 Amp, Class K	Supplied by Others

Ideal for demanding industrial areas, the Speed-Master® 4600 L is designed for applications that are too large to be accommodated with the Hormann Speed-Master® 2600 L, allowing for interior or exterior door openings up to 33ft wide x 30ft high, or 690 sqft total area.

The door curtain is constructed of patented, interlocking aluminum hinges which act as integral windbars, creating a sectional panel design with Ultra-tough 'Bulldog XT' PVC for stability and wind resistance.

Sliding apart the panels without removing the entire door roll assembly allows for inexpensive maintenance or replacement.

A full width vision area provides unobstructed viewing areas. Since the Speed-Master® 4600 L bottom bar consists of fewer parts and does not include a tensioning system, it requires less repair time, and can be serviced at a lower cost than other competitor's products.



Speed-Master® High speed flexible doors provide excellent reliability and fast opening speeds.

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