

Product Data Sheet

Speed-Master® 4600 L

Flexible High-Speed Overhead Coiling Door Suited for Large Openings

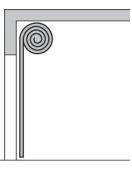


Features



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 large openings.			
Application	Exterior or Interior		Hood required for exterior mounted doors
Speed	Opening	Closing	Variable speed based on opening height
	Up to 24"/sec.	Up to 24"/sec.	
Control Box	Smart Start™ NXT (11 5/8"W x 15 3/4"H x 8 1/2"D)		Standard, NEMA 4X rated
Roll-up Technology	Hollow-core steel roll tube with precision-welded axles		Standard
 Overhead Coiling	Size Range	Min. 14'-0" up-to 33'-0" wide Min. 16'-0" up-to 30'-0" high	Max. Opening Area: 690 sqft. Standard
	Guide Track Profile	9 1/4" x 7 1/8"	(W x D) Footprint
	Roll Tube Diameter	9 5/8"	Hollow core
	Solid Panel(s) Height	30"H, 1/8"D	--
	Vision Panel(s) Height	30"H, 1/8"D	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 / inspect per ea. 50,000 cycles or 6 mo. Individual curtain panels replaceable		Consult factory for details
Safety Features	Built-in light grid, chain hoist open/close		Standard
Resistance to Wind Load	Windlocks: DW ≤ 20'-0", 6.7 psf; 90 mph max.		DW = Door Width Calc. per ASCE 7-10 Exposure B, DASMA 108-2012
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	Abrasion resistant, 2-ply polyseter reinforced "Bulldog XT" PVC sheet, 3.175mm Thick, 90 oz./yd ²		Color Availability: Orange, Blue, Black, Gray

Product Data Sheet (Continued)



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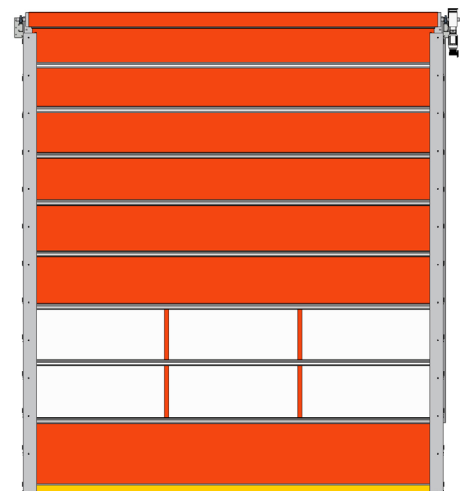
Materials and Finishes (Continued)		Remark
Vision Door Panels	Abrasion resistant, transparent PVC sheet, 2.8mm Thick, 45 oz./yd ²	Color Availability: Clear
Ventilation Door Panels (Screen) *Consult factory for availability	Abrasion resistant, vinyl coated 1000 density polyester core yarn in warp and fill. 0.6mm 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	3 PH, 400vAC to 480vAC	--
Control Box	5 KW variable frequency drive rated for operating voltage	NEMA Type 4X / IP66, UL/CUL Listed
Standard Power Requirement	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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