

Product Data Sheet

Speed-Commander™ 1400 SEL¹⁹ Cool-Master
SoftEdge Light Curtain 2019 for Cooler-to-Ambient Conditions

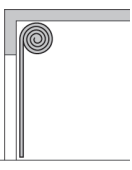


Features



Speed-Commander™ 1400 SEL¹⁹ Cool-Master high speed flexible door with insulated foam curtain.

- Smart Start™ NXT, NEMA 4X programmable control box available with 304 stainless steel enclosure.
- Speed: Up to 80"/sec. open, 30"/sec. close.
- Patented, self-repairing design, able to re-align displaced panels into guide tracks.
- Space saving 6" Wide x 3 1/2" Projection compact side frames with dual rubber seal.
- Features non-contact light grid protection.
- Tough, condensation resistant PolyMar™ foam curtain panels.
- Available full-width clear PVC vision area.
- Panel Color: Gray.
- Curtain reinforced with full-length aluminum panel connectors, or light-weight spring steel wind bars (optional).
- Best-in-class 5 & 2 year warranty. 5 years motor & curtain. 2 years all other mech/electrical components.

Technical Data		Remark	
Speed-Commander™ 1400 SEL¹⁹ Cool-Master Flexible, high performance overhead rapid coiling door with foam-insulated curtain.		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		Interior Only (Warm side recommended)	
Speed		Hood required for low clearance doors	
		Opening	Closing
		Up to 80"/sec.	Up to 30"/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)	
		Standard, NEMA Type 4X rated SmartControl M2M activation optional	
Roll-up Technology		Hollow-core steel roll tube with precision-welded axles	
		Standard Galv. (optional Stainless Steel)	
Door Construction  Overhead Coiling	Size Range	Min. 4'-0" up-to 14'-0" wide Min. 4'-0" up-to 16'-0" high	
	Guide Track Profile	6" x 3 1/2"	
	Roll Tube Diameter	6 1/4"	
	Vision Panel(s) Height	36" High, 3/32" Thick	
	Required Headroom	17 1/4" min.	
Drive Mechanism		Direct-drive operator keyed to Roll Tube	
		--	
Counterbalance System		Not Required	
		--	
Braking		Control box activated 24V DC brake	
		Standard	
Cycleability / Maintenance		High Cycleability Inspect at 6 mo. intervals	
		Consult factory for details	
Safety Features		Integrated in-line light grid, hand crank open/close	
		Optional Chain Hoist Available	
Resistance to Wind Load (Interior Only)		Up to 1.60 psf; Wind Load Class 0; 25 mph	
		Per standard EN 12424, DASMA 108	
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	
		Zinc, Class G90 (Stainless Steel 304 optional)	
Door Header Assembly, Roll Tube		5 mm Hot-dipped galvanized steel	
		Zinc, Class G90 (Stainless Steel 304 optional)	
Weather Seals		Twin black TPE rubber edge, jambs and lintel	
		Standard	
Panel Connectors		Clear Anodized Extruded Aluminum Profiles	
		Standard	
Solid Door Panels (Standard)		Abrasion resistant, "PolyMar™ Polyfoam 3 Type" PVC-sandwiched foam sheet, 3.0 mm Thick, 38.3 oz./yd ²	
		Color Availability: RAL 7038, Agate Gray Consult Factory for other curtain colors and materials.	

Product Data Sheet (Continued)

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Materials and Finishes (Continued)		Remark
Vision Door Panel (Standard)	Transparent PVC sheet, 2.8 mm Thick	Color Availability: Clear
Bottom Bar	Soft Edge Bottom Bar with spring steel reinforcing	Optional Clear Anodized Extruded Aluminum available.
Electric Door Operator	Cast aluminum	304 Stainless Steel optional
Control Panel	Standard: Baked-on polyester powder coat paint. Color RAL 7035 Light Gray	304 Stainless Steel optional
Hood and Motor Cover (optional)	14-ga. Hot-dipped galvanized steel	Zinc, Class G90 (16-ga. 304 Stainless Steel optional)
Energy Analysis		
Visible Transmittance (Tvis)	0.83%	Per calc ANSI/NFRC 200-2014 (Vision Panels)
Thermal Resistance (R-value)	R 2.27 (ft ² x°F x hr)/BTU	Per test EN 717-1, DASMA TDS-163 (Without Visions)
Heat Transfer Coefficient (U-value)	U 0.7 BTU/(ft ² x°F x hr)	Per test EN 12667: 199997-11, DASMA TDS-105
Acoustic Insulation	R _w 17 dB	Per test EN 717-2, ASTM E90 (Without Visions)
LEED Credit (Potential)	EAc2, MRc1, MRc3, IEQc2, IEQc4, INc1, RPc1	USGBC® LEED v4
Electrical		
Electric Door Operator (Motor)	2.0 HP GfA Elektromaten F15	NEMA Type 3 / IP54
Operating Voltage (Motor)	132vAC, 3 PH	From Control Box to Motor
Control Box	“Feig” 5 KW variable frequency drive rated for operating voltage	NEMA Type 4X / IP66, UL/CUL Listed
Standard Power Requirement (to Control Box)	230 vAC, 1 PH or 208vAC* - 575 vAC*, 3 PH, 60 Hz	*Buck-Boost Transformer may be req. at voltage limits
Full Load Amps	13.3 A	Operator
Disconnect	Fuse: 20 Amp, Class K	Service to Control Box. Supplied by Others

State-of-the-Art Integrated Safety

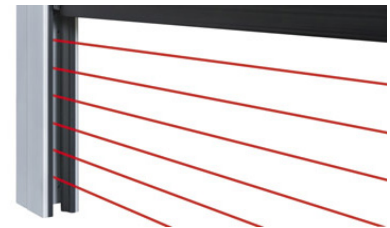
Speed-Commander™ 1400 SEL¹⁹ Cool-Master High-Performance doors have an advanced 3 mm thick foam panel material that maintains flexibility in a wide range of temperatures while inhibiting condensation in cooler-to-ambient areas. The unique Hörmann sectional panel configuration ensures a cost-effective solution over the lifetime of the product.

Compact Design

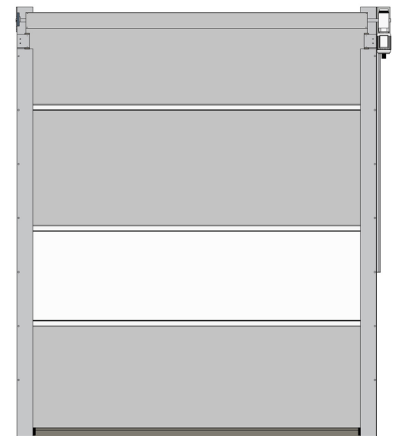
Heavy-duty, low-profile side frames of just 6” wide x 3 ½” projection enable the 1400 SEL¹⁹ Cool-Master to fit easily into compact areas. Innovative SoftEdge gate technology avoids damage to the door while the patented self-repairing curtain design is able to re-align displaced panels into guide tracks eliminating downtime.

304 Grade Stainless Steel Options for the Highest Demands

The Speed-Commander™ 1400 SEL¹⁹ Food-Master offers freedom of configuration to meet the exact options you require, without risk of unnecessary costs. Stainless steel optional components include the Roll Tube, Hood and Motor Enclosure, Jamb Guide Tracks, and all Hardware.



State-of-the-art light curtain entrapment safety protection standard.



Speed-Commander™ 1400 SEL¹⁹ Cool-Master High-Performance flexible doors can provide excellent reliability and fast opening speeds.

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