

# Product Data Sheet

Speed-Commander™ 1400 SEL<sup>19</sup> Cool-Master  
SoftEdge Light Curtain 2019 for Cooler-to-Ambient Conditions

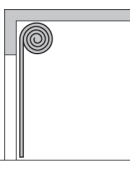


## Features



Speed-Commander™ 1400 SEL<sup>19</sup> Cool-Master high speed flexible door with insulated foam curtain.

- Smart Start™ NXT, NEMA 4X programmable control box with *exclusive* SmartControl M2M remote diagnostics.
- 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.
- Efficient vinyl seals at opening perimeter.
- Tough, condensation resistant Polymer™ 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	
<b>Speed-Commander™ 1400 SEL<sup>19</sup> Cool-Master</b>			
Flexible, high performance overhead rapid coiling door with SmartControl M2M technology.			
Application	Interior	Hood required for low clearance doors	
Speed	Opening	Variable speed based on opening height	
	Up to 80"/sec.		Up to 30"/sec.
Control Box	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	
 Overhead Coiling	Size Range	Min. 4'-0" up-to 14'-0" wide Min. 4'-0" up-to 16'-0" high	Standard
	Guide Track Profile	6" x 3 1/2"	(W x D)
	Roll Tube Diameter	6 1/2"	Hollow core
	Solid Panel(s) Height	47 1/4" High, 1/8" Thick	--
	Vision Panel(s) Height	36" High, 1/8" Thick	Begins at 52" above finished floor
	Required Headroom	17 1/4" min.	Headroom to increase with optional hood
Drive Mechanism	Direct-drive operator with chain lift mechanism	--	
Counterbalance System	Not Required	--	
Braking	Control box activated 24V DC brake	Standard	
Cycleability / Maintenance	High / inspect per ea. 50,000 cycles or 6 mo. Individual curtain panels replaceable	Consult factory for details	
Safety Features	Integrated in-line light grid, hand crank open/close	Optional Chain Hoist Available	
Resistance to Wind Load	DW ≤ 14'-0", 1.60 psf; 25 mph max.	DW = Door Width 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	
<b>Materials and Finishes</b>			
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 (Stainless Steel 304 optional)	
Weather Seals	Twin vinyl edge, jambs and lintel	Standard	
Panel Connectors	12-ga. Clear Anodized Extruded Aluminum Profiles	Standard	
Solid Door Panels	Abrasion resistant, "PolyMar™ Polyfoam 3" PVC foam sheet, 3.0 mm Thick, 38.3 oz./yd <sup>2</sup>	RAL Color Availability: Agate Gray #7038	

# Product Data Sheet (Continued)

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Materials and Finishes (Continued)		Remark
Vision Door Panel	Abrasion resistant, transparent PVC sheet, 2.8mm Thick, 66 oz./yd <sup>2</sup>	Color Availability: Clear
Electric Door Operator	Cast aluminum	Stainless Steel 304 optional
Control Panel	Standard: Baked-on polyester powder coat paint. Color RAL 7035 Light Gray	Stainless Steel available
Hood and Motor Cover (optional)	16-ga. Hot-dipped galvanized steel	Zinc, Class G90 (Stainless Steel 304 available)
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 0.22	Per test EN 717-1, DASMA TDS-163 (Without Visions)
Heat Transfer Coefficient (U-value)	U 4.40	Per test EN 12667: 199997-11, DASMA TDS-105
Acoustic Insulation	STC 35, R <sub>w</sub> 35 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 F15	NEMA Type 3 / IP54
Operating Voltage	3 PH, 132v or 230v	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	208vAC - 600vAC, 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

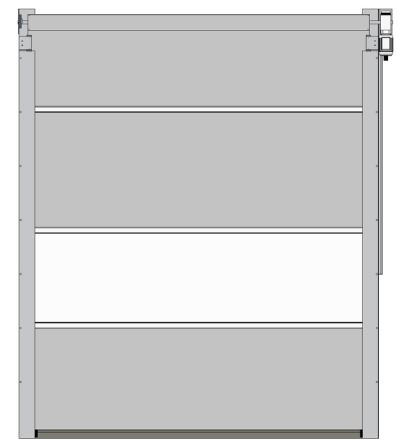
Speed-Commander™ 1400 SEL<sup>19</sup> Cool-Master High-Performance doors have an advanced 3 mm thick foam panel material that maintains flexibility in a wide range of temperatures while inhibiting condensation in cooler-to-ambient areas. The unique Hörmann sectional panel configuration ensures a cost-effective solution over the lifetime of the product.

## Compact Design

Heavy-duty, low-profile side frames of just 6" wide x 3 1/2" projection enable the 1400 SEL<sup>19</sup> 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.

## Powerful Intelligence

The Hörmann Smart Start™ NXT Control Panel now updated with SmarControl M2M remote diagnostic functionality enables users with real-time data about their High-Performance Door. Track event history, maintenance schedules, and resolve common codes at your fingertips.



Speed-Commander™ 1400 SEL<sup>19</sup> Cool-Master High-Performance flexible doors can provide excellent reliability and fast opening speeds.



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