

Product Data Sheet

Speed-Commander™ 1400 SEL¹⁹ Clean-Master 20 Pa
SoftEdge Light Curtain 2019 with Enhanced Environmental Control

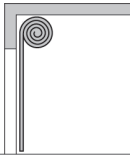


Features



Speed-Commander™ 1400 SEL¹⁹ Clean-Master 20 Pa high speed flexible door in yellow with roll tube and motor cover.

- Smart Start™ NXT, NEMA 4X programmable control box with *exclusive* SmartControl M2M remote diagnostics.
- Speed: Up to 80"/sec. open, 30"/sec. close.
- Optional Stainless Steel components.
- Space saving 6" Wide x 3 1/2" Projection compact side frames with dual vinyl seals.
- Features non-contact light grid protection.
- Tough, 2-ply reinforced puncture resistant Commander™ fabric curtain panels.
- 1 Standard full-width clear PVC vision area.
- Panel Color: White, Yellow, Orange, Red, Blue, 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 Clean-Master 20 Pa			
Flexible, high performance overhead rapid coiling door with SmartControl M2M technology.			
Application	Interior		Hood required for low clearance doors
Speed	Opening	Closing	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 10'-0" wide Min. 4'-0" up-to 10'-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
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 (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, 2-ply polyseter reinforced "Com- mander™" PVC sheet, 2.8 mm Thick, 58 oz./yd ²		RAL Color Availability: White, Yellow, Orange, Red, Blue, Gray

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 ²	Color Availability: Clear
Ventilation Door Panel (Screen)	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	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 1.20	Per test EN 12667: 199997-11, DASMA TDS-105
Acoustic Insulation	STC 35, R _w 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

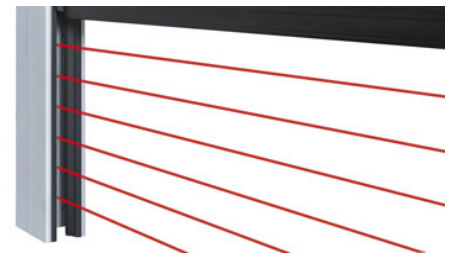
Speed-Commander™ 1400 SEL¹⁹ Clean Master 20 Pa High-Performance doors are ideal for tightly sealing doorways to prevent air movement, and fast opening speeds of 80 inches per second increasing protection from contamination between two areas.

Compact Design

Heavy-duty, low-profile side frames of just 6" wide x 3 ½" projection enable the 1400 SEL¹⁹ Clean Master 20 Pa 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 SEL¹⁹ Clean Master 20 Pa High-Performance flexible doors can provide excellent reliability and fast opening speeds.



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