

# Product Data Sheet

SC 1400 SEL19  
SoftEdge Light Curtain 2019



The Speed-Commander™ 1400 SEL19 high speed flexible door delivers excellent speed with safe & reliable operation, suitable for interior applications.

- Smart Start™ NXT, NEMA 4Xprogrammable control box available with 304 stainless steel enclosure
- Speed: Up to 80 in/sec. open, 30 in/sec. close
- Patented, self-repairing design, able to re-align displaced panels into guide tracks
- 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	Imperial	Metric	Remark
Application	Interior		Hood required for low clearance doors
Speed	Opening up to 80 in/s Closing up to 30 in/s	Opening up to 2.03 m/s Closing up to 0.76 m/s	Variable speed based on opening height
Control Panel	Smart Start™ NXT W x H x D (in) 11 ½ x 15 ¾ x 8 ½		Standard, NEMA Type 4X rated
Roll-up Technology	Hollow-core steel roll tube with precision-welded axles		Standard
Door Construction	Overhead Coiling		
Size Range	Width 4 ft 0 in up to 14 ft 0 in	Width 1.22 m up to 4.27 m	Standard
	Height 4 ft 0 in up to 16 ft 0 in	Height 1.22 m up to 4.88 m	
Guide Track Profile	-	-	(W x D)
Roll Tube Diameter	6 ¼ in	152 x 89	6 in (152 mm) for 304 stainless steel
Visible Material Height (Window Size)	W x D (in) 36 x ¾ <sub>32</sub>	W x D (mm) 914 X 2	Begins at 52 in (1.22 m ) above finished floor
Required Headroom	17 ¼ in min.	438 mm min.	Headroom to increase with optional hood
Drive Mechanics	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 (Max per Door Width)	Up to 1.60 psf; Wind Load Class 0; 25 mph	Up to 9 kg/m <sup>2</sup> ; Wind Load Class 0; 11 m/s	Per standard EN 12424, DASMA 108
Fire Resistance Rating (Behavior)	Non-rated, Non-conforming exit		Per 2012 IBC Section 1008
Manufacturer Warranty	5 & 2 years. Motor / gearbox and Panels (5), all other mech. / elec. (2)		Standard

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Materials & Finishes	Description	Remark
Guide Tracks, Covers & Guards (Guides)	12-ga. HDG steel tracks	Zinc, Class G90 (Stainless Steel 304 optional)
Door Headers, Spiral Guides, Drive Shaft Support	5 mm Hot-dipped galvanized steel	Zinc, Class G90 (3 mm Stainless Steel 304 optional)
Weather Seals	Dual black rubber jamb seals. Nylon brush lintel seal	Jamb: Black / Lintel: Black
Solid Door Slats (Panels)	Abrasion resistant, 2-ply poly-reinforced "Commander™" PVC sheet, 1.4 mm Thick, 58 oz./yd <sup>2</sup>	Color Availability: White, Yellow, Orange, Red, Blue, Gray, (58 oz./yd <sup>2</sup> )
Vision Door Slats (Panels)	Abrasion resistant, transparent PVC sheet, 2.0 mm Thick	Color Availability: Clear Full-Width Continuous
Ventilated Door Slats (Panels) (Screen)	Vinyl coated 1000 density polyester core yarn in warp and fill. 0.6 mm Thick, 10.4 oz./yd <sup>2</sup>	Ventilation panel frame, extruded anod. aluminum Fabric Openness 46.9% Full-Width Continuous Removable Screen Panel
Bottom Profile (Bar) Door Slat	Soft Edge Bottom Bar with spring steel reinforcing	Optional Clear Anodized Extruded Aluminum available.
Panel Connectors (Hinges)	Clear Anodized Extruded Aluminum Profiles	Standard
Electric Door Operator	Cast aluminum	With optional stainless steel shaft, the bearing at the center of the gearbox is also stainless steel.
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	<b>Imperial</b>	<b>Metric</b>
Visible Transmittance	0.8	Per calc ANSI / NFRC 200-2014 (Clear Vision Panels)
Acoustic Insulation	STC 35, Rw 35 dB	Per test EN 717-2, ASTM E90
LEED Credit (Potential)	EAc2; Optimize Energy Performance (20 pts) MRc2; Environmental Product Declarations (2 pts) IEQc2; Low-Emitting Materials (3 pts) IEQc4; Thermal Comfort (1 pt) INc1; Innovation (5 pts) RPC1; Regional Priority Specific Credit (1 pt)	USGBC® LEED v4
Electrical	<b>Description</b>	<b>Remark</b>
Electric Door Operator	2.0 HP GfA Elektromaten F15	NEMA Type 3 / IP54
Operating Voltage (Motor)	132vAC, 3 PH	From Control Box to Motor
Control Panel	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	*Transformer may be required at voltage limits
Full Load Amps	13.3 A	Operator
Disconnect	Fuse: 20 Amp, Class K	Service to Control Box. Supplied by Others



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