

Product Data Sheet

SC 1400 SEL19 Cool-Master

SoftEdge Light Curtain 2019 for Cooler-to-Ambient Conditions



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 in/sec. open, 30 in/sec. close
- Patented, self-repairing design, able to realign displaced panels into guide tracks
- Space saving 6 in Wide x 3 1/2 in Projection compact side frames with dual rubber seal
- Features non-contact light grid protection
- 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	Imperial	Metric	Remark
Application	Interior Only (Warm side recommended)		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 1/4 x 15 3/4 x 8 1/2	W x H x D (mm) 295 x 400 x 216	Standard, NEMA Type 4X rated
Roll-up Technology	Hollow-core steel roll tube with precision-welded axles		Standard Galv. (optional Stainless Steel)
Door Construction	Overhead Coiling		
Size Range	Width 4 ft 0 in up-to 14 ft 0 in Height 4 ft 0 in up-to 16 ft 0 in	Width 1.22 m up-to 4.27 m Height 1.22 m up-to 4.88 m	Standard
Guide Track Profile	W x D (in) 6 x 3 1/2	W x D (mm) 152 x 89	(W x D)
Roll Tube Diameter	6 1/4 in	159 mm	6 in (152 mm) for 304 stainless steel
Visible Material Height (Window Size)	W x D (in) 36 x 3 3/32	W x D (mm) 914 x 2	Begins at 52 in above finished floor
Required Headroom	17 1/4 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 9kg/m ² ; 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 (Stainless Steel 304 optional)
Weather Seals	Twin black TPE rubber edge, jambs and lintel		Standard
Solid Door Slats (Panels)	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.
Vision Door Slats (Panels)	Transparent PVC sheet, 2.8 mm Thick		Color Availability: Clear
Bottom Profile (Bar) Door Slat	Soft Edge Bottom Bar with spring steel reinforcing		Optional Clear Anodized Extruded Aluminum available.
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	Imperial	Metric	Remark
Visible Transmittance	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	Rw 17 dB		Per test EN 717-2, ASTM E90 (Without Visions)
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	Description		Remark
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	"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



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