Product Data Sheet

SR 9500 LS
Springless 'Rolling Steel-Style' Door
with Insulated Curtain Panels

The Steel Ranger™ Low Speed, secure line of doors provide strong and durable Decotherm® insulated steel slats with an attractive surface finish.

- Superior performance and reliability with springless design and direct-drive motor
- Decotherm® Polyurethane insulated slats for reduced energy transfer
- 4 ¼ in x 5/8 in insulated slats with R-8.0 U-4.1 thermal performance
- Exclusive foamed anti-abrasion technology considerably reduces wear and noise
- Optional slats with double-pane Duratec® synthetic window elements
- Push-to-operate safety equiped, standard. Integral non-contact light grid protection feature Optional
- Efficient operation, with speeds of 8 in./sec. open, 8 in./sec. close
- Contactor Type, NEMA 4 relay control box.
- Emergency operation via chain hoist
- 5 & 2 year warranty protection plan. 5 yrs. motor/gearbox and slats. 2 yrs. other mech./elec., unlimited cycles

Technical Data	Imperial	Metric	Remark
Application	Exterior or Interior		
Speed	Opening up to 8 in/s Closing up to 8 in/s	Opening up to 0.20 m/s Closing up to 0.20 m/s	Standard
Controller	Direct Drive Operator w/ Constant-Contact Push Button		Standard
Roll-up Technology	Hollow-core steel roll tube with precision-welded axles		Standard
Door Construction	Springless - Rolling Shutter		
Size Range	26 ft 0 in Wide (max), up to 11 ft 0 in High 25 ft 0 in Wide, up to 14 ft 0 in High 24 ft 0 in Wide, up to 15 ft 0 in High 23 ft 0 in Wide, up to 16 ft 0 in High (max)	7.92 m Wide (max), up to 3.35 m High 7.62 m Wide, up to 4.27 m High 7.32 m Wide, up to 4.57 m High 7.01 m Wide, up to 4.88 m High (max)	Min. Width 6 ft 0 in (1.83 m) Min. Height 6 ft 0 in (1.83 m)
Guide Track Profile	W x D (in) 3 ⅛ + (¾ light grid) x 3 ⅜	W x D (mm) 79 + (19 light grid) x 86	Extruded Profile Shape (W x D)
Roll Tube Diameter	6 ¼ in	159 mm	Hollow core
Solid Slat (Panel) Profile	H x D (in) 4 ¼ x ⅝	H x D (mm) 108 x 16	Curved Profile Shape
Visible Material Height (Window Size)	H x D (in) 4 ¼ x ⅝	H x D (mm) 108 x 16	Curved Profile Shape
Overall Width of Vision Area on Slat	7 Vision Portals spaced equally over 4 ft 8in (1.42 mm) or a varying number of Vison Portals spaced 16 ½ in (419 mm) o.c. over the entire width of the slat.		Clear Portal size 5 ½ in x 1 ¾ in (140 mm x 44 mm) Grouping is centered on width of the slat
Required Headroom	For openings up to 16 ft 0 in (max) high, HR = 21 ½ in minimum	For openings up to 4.88 m (max) high, HR = 0.55 m minimum	With Hood Enclosure HR = 23 ½ in (597 mm)
Drive Mechanics	Direct-drive operator, coiling roll-up		
Counterbalance System	Not required		
Braking	Control box activated 103 V DC brake		
Cycleability / Maintenance	High / inspect per ea. 50,000 cycles or 6 mo. Windows replaceable independent of solid slats		Consult factory for details
Safety Features	Constant-Contact Push Button Chain Hoist open / close		Optional Light Grid, Photocell Eye, Reversing Edge
Resistance to Wind Load (Max per Door Width)	Differential Pressure, up to = 21* psf. Windload Class = IV*, Windspeed = 91* mph	Differential Pressure, up-to = 102.5kg/m2 Windload Class = IV*, Windspeed = 40.6 m/s	*Door Width = 7.32 m w/ high windload requested. Per standard EN 12424, DASMA 108 Exposure B
Fire Resistance Rating (Behavior)	Class E		Per EN 13501-1
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)	2 mm (avg) extruded aluminum		
Door Headers, Spiral Guides, Drive Shaft Support	Hot-dipped galvanized steel		Zinc, Class G90
Roll Tube	Hot-dipped galvanized steel		Zinc, Class G90
Weather Seals	Polyester brush lintel		Optional vinyl brush at side frames
Solid Door Slats (Panels)	Decotherm® 0.34 mm Hot-dipped galvanized steel, with foamed-in-place polyurethane insulation core. MicroGrain™ texture. Color RAL 9006		Zinc, Class G40 (0.4 oz. per SF) Polyurethane foam density 2.0 pcf (33 kg/m3)
Vision Door Slats (Panels)	Decotherm® 0.34 mm Hot-dipped galvanized steel with foamed-in-place polyurethane insulation core. MicroGrain™ texture. Color RAL 9006. Window Polycarbonate, Clear		Zinc, Class G40 (0.4 oz. per SF) Polyurethane foam density 2.0 pcf (33 kg/m3)
Ventilated Door Slats (Panels)	Decotherm® 0.34 mm Hot-dipped galvanized steel, with foamed-in-place polyurethane insulation core. MicroGrain™ texture. Color RAL 9006. Slotted Portal Black ABS		Open area per Portal = 4.18 Sq. In. Zinc, Class G40 (0.4 oz. per SF) Polyurethane foam density 2.0 pcf (33 kg/m3)
Electric Door Operator	Cast aluminum		
Control Panel	Polycarbonate		NEMA Type 4 relay control box
Hood and Motor Cover (Optional)	20-ga. Hot-dipped galvanized steel		Zinc, Class G90 (0.9 oz. per SF)
Energy Analysis	**Imperial**	**Metric**	**Remark**
Air Leakage	Class 0		Per EN 12426, ASTM E283 (Without Visions)
Water Penetration	Class 0		Per EN 12425 (Without Visions)
Visible Transmittance	0.86		Window elements only
Solar Heat Gain Coefficient (G-value)	0.83		Window elements only
Thermal Resistance (R-value)	8.0 (ft^2 x°F x hr)/BTU	1.41 (m^2 x K)/W	Calc. per DASMA TDS 163 (Without Visions)
Heat Transfer Coefficient (U-value)	0.13 BTU/(hr x ft^2 x°F)	0.73 W/(m^2 x K)	Test per EN 12428 (Without Visions)
Acoustic Insulation	Rw 18 dB (STC 21 dB)		Per EN ISO 717-7 (Without Visions)
LEED Credit (Potential)	MRc4, EQc5 MRc2; Environmental Product Declarations (2 pts)		USGBC® LEED v4
Electrical	**Description**		**Remark**
Electric Door Operator	GfA Elektromaten		NEMA Type 3 / IP54
Operating Voltage (Motor)	3 PH, 230v or 460v		From Control Box to Motor
Control Panel	6,10A (230v) or 12, 20A (460v) relay control panel.		Enclosure: NEMA Type 4X / IP66, UL/CUL Listed
Standard Power Requirement (to Control Box)	208vAC - 575vAC, 3 PH, 60 Hz		Transformer req. at 208v, 575v (not included)
Full Load Amps	11.5 A (230v), 5.7 A (460v)		Operator
Disconnect	Fuse: 20 Amp (230v), 10 Amp (460v), Class CC		Supplied by Others

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