

# Product Data Sheet

Speed-Guardian™  
Low-Profile 5000 LP 42



## Features



The Speed-Guardian™ Low-Profile high speed, security line of doors provide energy efficient, attractive design, with springless guide tracks.

- Smart Start™ NXT, NEMA 4X programmable control box.
- Thermally isolated design for reduced heat transfer and optimal energy efficiency.
- Speed: Up to 60"/sec. open, 20"/sec. close.
- Exclusive non-contact guide technology reducing wear and noise.
- Space saving, springless low-profile galvanized steel guide tracks fit anywhere.
- Integral, non-contact light grid entrapment protection feature. Ensures safety of equipment, people, and vehicles.
- Emergency operation via chain hoist.
- Light-weight and strong full aluminum curtain construction.
- Enhanced 10" high double-pane vision slats with Duratec® synthetic glazing.
- Optional tinted vision slats, Obscured White, Smoke Gray.
- Optional perforated metal slats for ventilation requirements.
- 5, 2, & 7 year warranty protection plan. 5 yrs. motor/gearbox and panels. 2 yrs. other mech./elec., 7 yrs. vision slats.

Technical Data		Remark	
<b>Speed-Guardian™ Low-Profile 5000 LP 42</b> Rigid, high performance overhead rapid coiling door with space saving technology.			
Application		Exterior or Interior	
Speed		Opening Up to 60"/sec.	Closing Up to 20"/sec.
Control Panel		Smart Start™ NXT (11 5/8"W x 15 3/4"H x 8 3/16"D)	
Roll-up Technology		Non-contact spiral guides with Non-contact lintel seal	
	Door Construction	Standard	
	Size Range	16'-0" wide, up-to 16'-0" high	
	Guide Track Profile	8" x 10 3/8", chamfered corners (interior side)	
	Spiral Size Configurations	1	
	Solid Slat Height & Depth	9 7/8"H, 1 5/8"D	
	Vision Slat Height (Glazing)	6 1/4"	
Overhead Spiral	Mullions	None up-to 120" wide One up-to 197" wide Two if ≤ 198" wide	
Required Headroom		36 1/4" min. if door height ≤ 14'-9" 37 5/8" min. if door height > 14'-9"	
Drive Mechanism		Direct-drive operator with chain lift mechanism	
Counterbalance System		Not offered	
Braking		Control box activated 24V DC brake	
Cycleability / Maintenance		High / inspect per ea. 50,000 cycles or 6 mo. Windows replacable independent of solid slats	
Safety Features		Built-in light grid, chain hoist open/close	
Resistance to Wind Load		DW ≤ 16'-0", Class 5 max. 93mph (21psf; 115mph max.)	
Fire Resistance Rating		Non-rated, Non-conforming exit	
Warranty		5, 2, & 7 years. Motor/gearbox and Panels (5), all other mech./elec. (2), vision slats (7)	

# Product Data Sheet (Continued)

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Materials and Finishes		
Guide Tracks & Covers	11-ga. HDG steel tracks, 16-ga. HDG steel covers	Zinc, Class G90 (0.9 oz. per SF)
Door Headers, Spiral Guides, Drive Shaft Support	11-ga. Hot-dipped galvanized steel	Zinc, Class G90 (Panel Wheel Guides, Aluminum)
Counterbalance Assemblies		
Weather Seals	Twin rubber, non-contact lintel	--
Vision Door Slats	1" Double-pane, acrylic, clear or tinted (Obscured White, Smoke Gray) and Duratec® abrasion-resistant coating	1 5/8" Thick Vision Panel frame, extruded anodized aluminum
Ventilation Door Slats	1" Double-walled, perforated clear anodized aluminum, 1/2" square press-punched grid pattern	1 5/8" Thick Ventilation Panel frame, extruded anodized aluminum Open area 56.3%
Bottom Profile Door Slat	30-ga. Interlocking flat-faced, hollow extruded aluminum panel, with weather seal loop	Only non-vision panel in door curtain
Electric Door Operator	Cast aluminum	--
Control Panel	Stainless steel, or baked-on polyester powder coat painted. Color RAL 7035 Light Gray	Powder Coat Painted, Standard
Hood and Motor Cover	16-ga. Hot-dipped galvanized steel	Zinc, Class G90 (0.9 oz. per SF)
Energy Analysis		
Air Permeability (leakage)	0.6 cfm/ft² (12 m³h/m²), Class 2	Per test EN 12427, (ASTM E283, ANSI/NFRC 400)
Resistance to Water Penetration	Class 2, 15 min @ 55pa	Per test EN 12489 (ASTM E547)
Visible Transmittance (Tvis)	0.91%	Per calc ANSI/NFRC 200-2014 (Clear Vision Slats)
Solar Heat Gain Coefficient (SHGC)	0.75%	Per calc ANSI/NFRC 200-2014 (Clear Vision Slats)
Thermal Resistance (R-value)	R 13.6	Per test EN 717-1, DASMA TDS-163 (Without Visions)
Heat Transfer Coefficient (U-value)	U 1.04	Per test EN 12667: 199997-11, DASMA TDS-105
Acoustic Insulation	STC 34, R <sub>w</sub> 31 dB	Per test EN 717-2, ASTM E90 (Without Visions)
LEED Credit (Potential)	EAc2, MRc1, MRc3, IEQc2, IEQc4, INc1, RPr1	USGBC® LEED v4
Electrical		
Electric Door Operator (Motor)	5.0 HP GfA Elektromaten F35	NEMA Type 3 / IP54
Operating Voltage	3 PH, 272 vAC	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	208vAC - 480vAC, 3 PH, 60 Hz	Transformer required for supply volt. < 460 vAC
Full Load Amps	12.4 A	Operator
Disconnect	Fuse: 20 Amp, Class K	Supplied by Others

Hörmann's Speed-Guardian™ Low-Profile, high speed, security line of doors fit into areas with limited side room clearance and require only 8-inches for guide tracks on each side of the door opening. Thanks to non-contact roll-up technology along with a standard built-in light grid, the Speed-Guardian™ is a proven industry leader for both safety and longevity. The versatility expressed in its range of applications includes retail automotive, emergency services, parking structures and other distinctive buildings.

The latest generation of Speed-Guardian™ high performance doors have once again succeeded by leading the industry with quality and innovations in state-of-the-art design.

The Speed-Guardian™ Low-Profile, high speed, security line of doors provide excellent space saving guides with pleasing aesthetic appeal.



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