

Product Data Sheet

Speed-Guardian™ 5000 C CV 42

Coiling High-Performance Door with Double-Pane Vision Panels

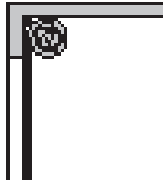


Features



The Speed-Guardian™ Coiling Complete View high speed, secure line of doors provide excellent visibility, attractive design, and fast opening speeds.

- Smart Start™ NXT, plug & play, programmable control box.
- Speeds: Up to 100"/sec. open, 20"/sec. close.
- Compact, non-contact spiral guides eliminate wear and noise.
- Three (3) LED Lite-Advance™ visual traffic indicators per door.
- An integrated light curtain ensures safety of equipment, pedestrians, and vehicles.
- SmartControl M2M™ Technology in every control box.
- Light-weight and strong, full-aluminum curtain construction.
- Enhanced 10" tall double-pane vision panels with Duratec® synthetic glazing.
- Optional tinted vision slats, Obscured White, Smoke Gray.
- Optional perforated metal slats with a 56.3% ventilation cross-section.
- 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	
Speed-Guardian™ Coiling Complete View 5000 C CV 42			
Rigid high speed, overhead rapid coiling door with full vision panels and non-contact spiral roll-up technology.			
Mounting Application		*Exterior/Exterior, Exterior/Interior, Interior/Interior	
Speed		Opening 60" up to 100"/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: Size Range	13'-0" wide, up-to 21'-4" high* 13'-0" to 18'-0" wide, 14'-0" to 21'-4" high** 20'-0" wide, up-to 14'-0" high*	
	Guide Track Profile	12" x 12-1/2", chamfered corners (spiral side)	
	# of Spiral Size Configurations	Three (3)	
	Panel Height & Depth	9-7/8" H, 1-5/8" D	
	Visible Material (Glazing Height)	6-1/4" H	
Overhead Coiling Mullions	None up-to 120" wide One up-to 197" wide Two if ≥ 198" wide		+15% Enhanced visible area over SG 4000 U
Required Headroom		36-1/4" min. if door height ≤ 14'-9" 37-5/8" min. if door height is 14'-9" - 18'-0" 41-1/2" min. if door height ≥ 18'-0"	
Drive Mechanism		Direct-drive operator with chain lift mechanism	
Counterbalance System		Belt mechanism and springs	
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'-4", Class 5 max. 93mph (21psf; 115mph max.) DW >16'-4", ≤ 18'-0", Class 4 max. 83mph (15psf; 100mph 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	11-ga. Hot-dipped galvanized steel	Zinc, Class G90 (Panel Wheel Guides, Aluminum)
Counterbalance Assemblies	Oil temp. Steel helical extension springs	Available up-to 8 springs per door
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)	0.23 W/(m² x K), 1.30 Btu/(hr x ft² x °F)	Per test EN 717-1, DASMA TDS-163 (With Visions)
Heat Transfer Coefficient (U-value)	4.41 W/(m² x K), 0.77 Btu/(hr x ft² x °F)	Per test EN 12667: 199997-11, DASMA TDS-105
Acoustic Insulation	STC 34, R _w 31 dB	Per test EN 717-2, ASTM E90 (With Visions)
LEED Credit (Potential)	EAc2, MRc1, MRc3, IEQc2, IEQc4, INc1, RPr1	USGBC® LEED v4
Electrical		
Electric Door Operator (Motor)	2.0 HP GfA Elektromaten F18	NEMA Type 3 / IP54
Operating Voltage	3 PH, 132v or 230v	--
Control Panel	5 kW variable frequency drive rated for operating voltage	NEMA Type 4X / IP66, UL/CUL Listed
Standard Power Requirement	208vAC* - 230 vAC - 480 vAC - 600vAC*, 3 PH, 60 Hz	*Transformer may be req'd. Consult Factory
Full Load Amps	13.3 A	Operator
Disconnect	Fuse: 20 Amp, Class K	Supplied by Others

Hörmann's Speed-Guardian™ Complete View, high speed, secure line of doors are characterized by an attractive, elegant design. Double-pane vision panels provide excellent daylighting and open views with fast operating speeds. 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™ Complete View, High speed, secure line of doors provide excellent daylighting and views with pleasing aesthetic appeal.



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