

Product Data Sheet

Speed-Commander™ 1500 L Compact



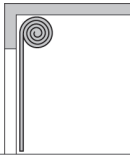
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Features



The Speed-Commander™ 1500 L Compact high speed door provides an innovative roll tube-drive, aluminum side frames with remote keypad convenience.

- Smart Start™ NXT, NEMA 4X programmable control box.
- Speed: Up to 60"/sec. open, 30"/sec. close.
- Patented, self-repairing design, able to re-align displaced panels into guide tracks.
- Space saving aluminum side frames with integral control keypad (optional).
- Features non-contact light grid protection.
- Emergency operation via optional UPS battery back-up device (1 PH only).
- Tough, 2-ply reinforced puncture resistant Commander™ fabric curtain.
- Standard full-width clear PVC vision area.
- Panel Colors: Yellow, Orange, Red, Blue, Gray, White.
- Reinforced curtain with continuous, light-weight spring-steel wind bars.
- Warranty protection: 1 million cycle motor/drive. 2 yrs. all other components.

Technical Data		Remark	
Speed-Commander™ 1500 L Compact			
Flexible, high performance overhead rapid coiling door with a compact design and innovative features.			
Application	Interior		Hood equipped standard
Speed	Opening	Closing	Variable speed based on opening height
	Up to 60"/sec.	Up to 30"/sec.	
Control Box	Smart Start™ NXT (11 5/8" W x 15 3/4" H x 8 1/2" D)		Standard, NEMA Type 4X rated SmartControl M2M activation optional
Roll-up Technology	Tubular linear electric drive (permanent-magnet based)		Standard
 Overhead Coiling	Size Range	With SoftEdge rubber: 13'-0" W x 13'-0" H With Aluminum edge: 16'-0" W x 16'-0" H	Standard Min. 4'-0" W x 4'-0" H
	Guide Track Profile	5 1/2" x 4 1/2"	(W x D)
	Roll Tube Diameter	6 1/4"	Tubular motor
	Solid Panel(s) Height	47 1/4" High, 1/8" Thick	--
	Vision Panel Height	One, full-door width, 36" H, 1/8" Thick	Begin at 52" AFF
	Required Headroom	17 3/4" min.	Includes Hood Enclosure
Drive Mechanism	Direct drive Tubular motor		(1PH UPS battery backup optional)
Counterbalance System	Not Required		Springless
Braking	Noiseless soft brake		Standard
Cycleability / Maintenance	High / inspect per ea. 50,000 cycles or 6 mo. Rated 1 million cycles normal wear		Consult factory for details
Safety Features	Integrated in-line light grid		Standard
Resistance to Wind Load	SoftEdge rubber: Class 0, Interior Only Aluminum edge: Class 1, 1.60 psf; 25 mph max.		DW = Door Width Per standard EN 12424, DASMA 108
Fire Resistance Rating	Non-rated, Non-conforming exit		Per 2012 IBC Section 1008
Warranty	1 million cycles. Motor/drive (1m) 2 years all other components (2)		Standard
Materials and Finishes			
Guide Tracks	6060 Anodized Aluminum alloy		Standard
Door Header Assembly, Roll Tube	Hollow Steel, as housing for Tubular motor		No additional side frame clearance required
Weather Seals	Twin vinyl seals at jambs and lintel		--
Panel Support	Integrated spring steel wind bars bi-lateral rollers		Standard
Solid Door Panel	Abrasion resistant, 2-ply polyester reinforced "Commander™" PVC sheet, 1.5 mm Thick, 58 oz./yd²		Color Availability: Yellow, Orange Red, Blue, Gray, White

Product Data Sheet (Continued)

Speed-Commander™ 1500 L Compact



Materials and Finishes (Continued)		Remark
Vision Door Panel (one available only)	Abrasion resistant, transparent PVC sheet, 2.0 mm Thick, 66 oz./yd ²	Color Availability: Clear
Ventilation Door Panel (Screen, one available only as option to Vision material)	Abrasion resistant, vinyl coated 1000 density polyester core yarn in warp and fill. 0.6 mm Thick, 10.4 oz./yd ²	Ventilation panel frame, extruded anod. aluminum Fabric Openness 46.9%
Electric Door Operator	Crowned Shell - Aluminum in Steel Tube	Standard
Control Panel	Baked-on polyester powder coat painted. Color RAL 7035 Light Gray	Standard
Hood / Roll Tube Cover	16-ga. HDG Steel, Baked-on polyester powder coat painted. Color RAL 9006 White Aluminum	Standard, Zinc, Class G90
Energy Analysis		
Visible Transmittance (Tvis)	0.83%	Per calc ANSI/NFRC 200-2014 (Clear Vision Panel)
Solar Heat Gain Coefficient (SHGC)	0.81%	Per calc ANSI/NFRC 200-2014 (Clear Vision Panel)
Thermal Resistance (R-value)	R 0.22	Per test EN 717-1, DASMA TDS-163 (Without Vision)
Heat Transfer Coefficient (U-value)	U 1.20	Per test EN 12667: 199997-11, DASMA TDS-105
Acoustic Insulation	STC 35, R _w 35 dB	Per test EN 717-2, ASTM E90 (Without Vision)
LEED Credit	MRc2, MRc4, EQc5	USGBC® LEED v4
Electrical		
Electric Door Operator (Motor)	1.0 kW Himmel TM 138.1	NEMA Type 1 / IP20
Operating Voltage	3 PH, 132v or 230v	From Control Box to Motor
Control Box	1.0 kW variable frequency drive rated for operating voltage	NEMA Type 4X / IP66, UL/CUL Listed
Standard Power Requirement	208vAC - 575vAC, 3 PH, 60 Hz	Buck-Boost Transformer may be req. at voltage limits. Optional 1 PH avail., consult factory
Full Load Amps	13.3 A	Operator
Disconnect	Fuse: 20 Amp, Class K	Service to Control Box, Supplied by Others

Powerful Tubular Motor

Thanks to the anodized aluminum surface of the side frames and the head plates, the standard color cladding in white aluminum RAL 9006, the integrated wiring and few visible screw connections the Speed-Commander™ 1500 L Compact looks very elegant and can also be used in customer areas.

Compact Design

The roll tube cladding is divided and can be easily opened even with little space in the lintel area. The connection cables to the controller are led out of the frame via a variable output (top or side).

Convenient Operation

If, for limited available space, the control system must be installed above the door opening, an optional control element can be elegantly integrated into a side frame. The control keypad enables the operation of all functions including opening/closing as well as service settings for convenience.



Speed-Commander™ 1500 L Compact can provide an elegant design, superior reliability, and fast operating speeds.



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