

Product Data Sheet

Speed-Commander™ 1500 L Compact



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 80 in/sec. open, 30 in/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)
- Multiturn encoder for easier field accessibility and better door position accuracy
- 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: 2.5 million cycle motor/drive. 2 yrs. all other components

Technical Data	Imperial	Metric	Remark
Application	Interior Only		Hood equipped standard
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 ¾ x 15 ¾ x 8 ½	W x H x D (mm) 295 x 400 x 216	Standard Min. 4 ft 0 in W x 4 ft 0 in H
Roll-up Technology	Tubular linear electric drive (permanent-magnet based)		Standard
Door Construction	Overhead Coiling		
Size Range	With SoftEdge rubber (W x H) : 13 ft 0 in x 13 ft 0 in With Aluminum edge (W x H) : 16 ft 0 in x 16 ft 0 in	With SoftEdge rubber (W x H) : 3.96 m x 3.96 m With Aluminum edge (W x H) : 4.88 m x 4.88 m	Standard (W x H) : 4 ft 0 in x 4 ft 0 in 1.22 m x 1.22m
Guide Track Profile	W x D (in) 5 ½ x 4 ½	W x D (mm) 140 x 114	(W x D)
Roll Tube Diameter	6 ¼ in	159 mm	Tubular motor
Solid Slat (Panel) Profile	W x D (in) 47 ¼ x ¾	W x D (mm) 1200 x 3	
Visible Material Height (Window Size)	One, full-door width, (W x H) 36 in x ¾ in	One, full-door width, (W x H) 914 mm x 3 mm	Begin at 52 in AFF
Required Headroom	17 ¾ in min.	451 mm min.	Includes Hood Enclosure
Drive Mechanics	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 / Hand crank for emergency opening		Standard
Resistance to Wind Load (Max per Door Width)	SoftEdge rubber: Class 0, Interior Only Aluminum edge: Class 1, 1.60 psf; 25 mph max.	SoftEdge rubber: Class 0, Interior Only Aluminum edge: Class 1, 9 kg/m2; 11 m/s max.	DW = Door Width Per standard EN 12424, DASMA 108
Fire Resistance Rating (Behavior)	Non-rated, Non-conforming exit		Per 2012 IBC Section 1008
Manufacturer Warranty	2.5 million cycles. Motor / drive (1m) 2 years all other components (2)		Standard

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Materials & Finishes	Description		Remark
Guide Tracks, Covers & Guards (Guides)	6060 Anodized Aluminum alloy		Standard
Door Headers, Spiral Guides, Drive Shaft Support	Hollow Steel, as housing for Tubular motor		No additional side frame clearance required
Weather Seals	Twin vinyl seals at jambs and lintel		
Solid Door Slats (Panels)	Abrasion resistant, 2-ply polyester reinforced "Commander™" PVC sheet, 1.5 mm Thick, 58 oz./yd2		Color Availability: Yellow, Orange Red, Blue, Gray, White
Vision Door Slats (Panels)	Abrasion resistant, transparent PVC sheet, 2.0 mm Thick, 66 oz./yd2		Color Availability: Clear
Bottom Profile (Bar) Door Slat	Abrasion resistant, vinyl coated 1000 density polyester core yarn in warp and fill. 0.6 mm Thick, 10.4 oz./yd2		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 paint. Color RAL 7035 Light Gray		Standard
Hood and Motor Cover (Optional)	16-ga. HDG Steel, Baked-on polyester powder coat painted. Color RAL 9006 White Aluminum		Standard, Zinc, Class G90
Energy Analysis	Imperial	Metric	Remark
Visible Transmittance	0.83		Per calc ANSI / NFRC 200-2014 (Clear Vision Panel)
Solar Heat Gain Coefficient (G-value)	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, Rw 35 Db		Per test EN 717-2, ASTM E90 (Without Vision)
LEED Credit (Potential)	MRc2; Environmental Product Declarations (2 pts) MRc4 EQc5;		LEED Credit MRc2, MRc4, EQc5 USGBC® LEED v4
Electrical	Description		Remark
Electric Door Operator	1.0 kWW Himmel TM 138.1		NEMA Type 1 / IP20
Operating Voltage (Motor)	3 PH, 132v or 230v		From Control Box to Motor
Control Panel	1.0 kW variable frequency drive rated for operating voltage		NEMA Type 4X / IP66, UL/CUL Listed
Standard Power Requirement (to Control Box)	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



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