



Package Width	Rough Opening Width	Clear Slide Opening	Door Panel Width	Breakout Width
(7'-0") 84" [2134]	84 1/2" [2146]	36 1/4" [921]	41 1/2" [1054]	39" [991]
(8'-0") 96" [2438]	96 1/2" [2451]	42 1/4" [1073]	47 1/2" [1207]	45" [1143]
Width Formulas	(Package Width) + 1/2" [13]	(Package Width / 2) - 5 3/4" [146]	(Package Width / 2) - 1/2" [13]	(Package Width / 2) - 3" [76]

- This Standard All Glass Single door package consists of:
 - Operator:
 - Two combination motion/presence sensors (one on each side) (See sensor options page)
 - ESA II motor drive unit with self-learning and self-monitoring microprocessor controller.
 - Jamb mounted 5 function rocker switch panel (see mode switch options page).
 - Panels:
 - 6" [152] Bottom rails.
 - 1 3/4" [44] x 4 1/2" [114] Double Pocket jambs.
 - Vertical and horizontal brush type weather stripping (AAMA-701-11Class A).
 - ADA compliant surface applied track and threshold 1/2" [13] x 4 1/2" [114].
 - Single point bottom rail mounted mortise lock (full threshold required).
 - Breakaway sliding door panels (SX) and fixed sidelights (O) panels.
 - 1/2" [13] tempered float glass (not supplied with door).
 - Finishes:
 - Clear anodized (BHMA 204).
 - Dark Bronze anodized (BHMA 313).
- Optional Transom:
 - Single vertical 1 3/4" [44] x 4 1/2" [114] double pocket mullion (Standard). Multiple verticals available.
 - Glass thickness options 1/4" [6] thru 1-1/4" [32] at 1/8" [3] increments.
 - 1/4" [6] Glass uses pocketed tubes and pressed-in-glazing, top and sides.
 - Other glass thickness use snap-in sash on all sides.
- Typical Package Options:
 - Finishes: special anodized, PVDF (wet) paint, powder coat, and cladding available. header, panels and jambs only.
 - Locking and Security Options:
 - Autolock sliding carrier lock concealed in header (only prevents sliding).
 - Jambs: 1 3/4" [44] x 4 1/2" [114] and 2" [51] x 6" [152] smooth available.
- Drawing Notes:
 - Drawing dimensions are in English & Metric units. Metric units are displayed as: 1" [25] millimeters.
 - Package Dimensions (May be limited by panel weight):
 - Package Width: Min. 6'-6" [1981] to Max. 8' [2438].
 - Header Height: Min. 7'-4 1/2" Max. 8' [2438].
 - Package Height: Max. 12' [3658] with Transom.
 - SX Panel Weight: Max. 225 lbs [102 kg].
 - Maximum special application limits: (Sizes may be restricted due to complexity and application) (Please contact Dorma Architectural Services for dimensions outside of typical sizes above).
 - Package Width: Min. 6'-6" [1981] to Max. 21' [6401].
 - Package Height: Max. 15' [4572].
 - Header Height: Max. 11' [3353].
 - Transom Height: Min. 8" [203] to Max. 4' [1220].
 - SX Panel Width: Max. Width 56" [1422].
 - SX Panel Size Limit = (SX Panel Width x Weight) < 900 ft-lbs [1220 N-m] Max.
 - Sidelight is 1/8" proud of jamb towards the interior.
- Power Requirements:
 - 120V +/- 10%, 50/60 Hz, 6.6A peak, 250 W. Up to 4 operators on a single 20A breaker. Service to header by electrician.
- Standards of Compliance:
 - UL 325 & CSA 22.2 (listed with ETL).
 - Designed to comply with these standards depending on installation and application:
 - International Building Code (Section 1008).
 - ANSI/ BHMA 156.10.
 - NFPA 101 Life Safety Code (Section 7.2.1.9).
 - Refer to Local, State, National or AHJ. Building Code for minimum door height and minimum/maximum width allowable for egress requirements.
- Contact Dorma Architectural Services for more information:
 - Email: Autosupport@dorma-usa.com
 - Phone: 1(844)773-2669

ESA500 S

Sheet 1 of 1

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Drawing Title: **ESA500 AUTOMATIC SLIDING DOOR**
FIXED SIDELIGHT SINGLE ALL GLASS

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