



## **GUNNEBO®**

### **VertaSec**

**Motorized security revolving door**

VertaSec is a premium security product in the Gunnebo range of Entrance Control solutions. It offers an elegant design able to maintain the visibility of the existing finished floor, while also offering a choice of security levels to prevent tailgating and piggybacking.

VertaSec offers simultaneous authorized entry\exit and both directions are electronically controllable. On receiving a signal from the access control system or pushbutton, the door wings rotate to allow authorized and monitored passage.

VertaSec also prevents unauthorized passage from the opposite direction while a valid passage is being made in the other direction. This is achieved via sensors located in the ceiling that continuously

monitor all sectors of the door. Safety is provided by adjustable torque sensing and safety edges in both the entry and exit directions. An emergency break-out feature is available as a standard option.

Day-mode functionality is included as standard to provide free passage at set times of day, and added security when needed. All parameters and functionalities are programmable via a user-friendly tablet interface.

VertaSec offers a variety of accessories and options, including manual or motorized night shutters and a wide selection of finishes and door dimensions

## Technical Specifications

### Drive

Motorized security revolving door. Safety torque sensing.

### Materials

|                      |   |
|----------------------|---|
| Frame and cornice    | Painted steel section powder-coated finish, RAL color 9006  |
| Frame Glazing        | ½" 2 ply laminated safety glass P4A BR1/S (in accordance with EN356-EN1063)   |
| Rotor Wings          | Aluminum frame, finish silver RAL 7040, ½" 2 ply laminated safety glass P4A BR1/S (in accordance with EN356-EN1063)   |
| Ceiling              | Laminated HPL finished pearl grey   |
| Additional Interface | Momentary zero volt (0V) Normally Open (NO) signal is provided by either a card reader or pushbutton input of duration between 0.5 and 1.0 seconds. The card reader inhibits, resets, and passage confirmation as standard. |

### Models

- 63.0" (1600 mm) Internal Diameter, 67.7" External Diameter 3 Wing
- 70.9" (1800 mm) Internal Diameter, 75.6" External Diameter 3 Wing
- 70.9" (1800 mm) Internal Diameter, 75.6" External Diameter 4 Wing
- 78.9" (2000 mm) Internal Diameter, 83.5" External Diameter 3 Wing
- 78.9" (2000 mm) Internal Diameter, 83.5" External Diameter 4 Wing

### Important Information

- Any horizontal pipe or conduit running below the VertaSec must be at least 5.5" (140 mm) below the FFL.
- Metal conduit for cables should be raised at least 2.0" (50mm) from foundation.
- It is the customer's responsibility to ensure the structural integrity and strength of the installation location.
- The dimensions given in this product datasheet are for information only. In order to prepare the installation site, please refer to your usual Gunnebo Customer Service contact.

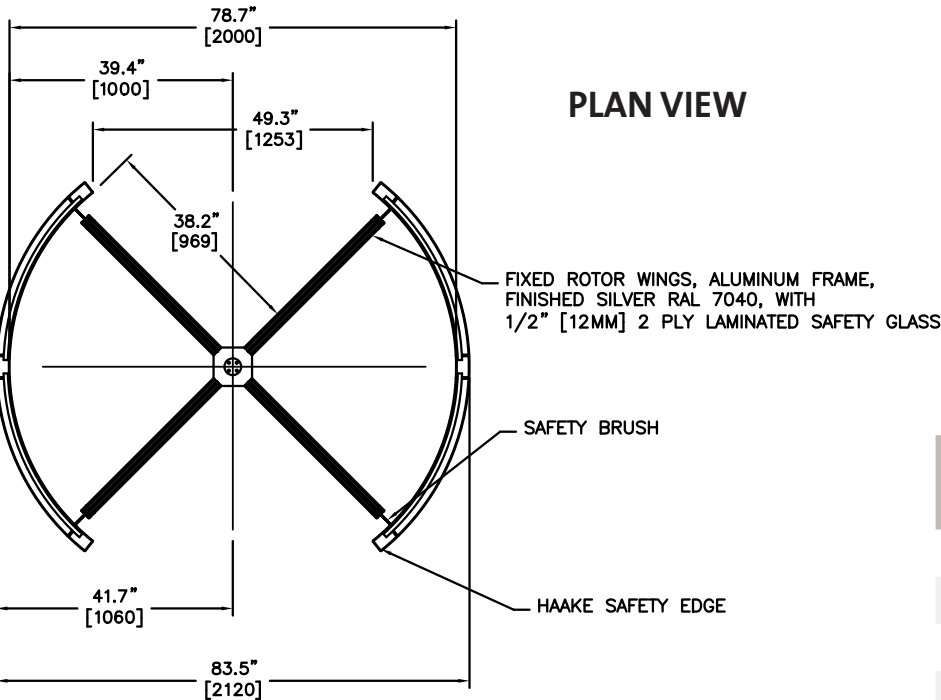
## Technical Data

|                                   |  |
|-----------------------------------|--|
| Power Supply                      | 115VAC 60Hz  |
| Power Rating                      | Stand By: 230V AC - 1.4A<br>In Operation: 115V AC - 2.8A   |
| Logic Voltage                     | 24V DC   |
| Operating Temperature             | 32°F - 122°F   |
| IP rating / MCBF / MTTR           | IP33   |
| Flow Rates / Throughput           | Please note these figures are approximate and must be confirmed with Gunnebo Entrance Control.<br>Proximity Reader 48 passages per minute (simultaneously in both directions)  |
| Fire Alarm                        | The wings will rotate by the inbuilt battery back up (BBU) to the safe position in order to allow exit from each sector and then will stop and become inactive. The door will remain in this position until power is restored. A Normally Closed (NC) signal is required from others to effect this state. |
| Walkway Down Lights               | Low voltage LED down lights are positioned within the ceiling over each sector   |
| Anti-Piggybacking Detection (APB) | Based on a combined proprietary technology with ultrasound and infrared sensors, thermally calibrated to avoid false alarms due to environmental temperature variations into the unit, and designed to detect the event of two or more people through the unit in the same sector.                         |

### Options

- Alternative finishes and materials
- Breakout wings
- External night shutters
- ½" (11 mm) 3 ply anti-bandit glass
- Floor carpet (gray)
- Anti-piggyback system (APB)
- Anti-panic pushbutton
- Card reader integration
- Pushbutton control
- Status light pictograms

Shown here is the 78.9" (2000 mm) 4 Wing unit. Dimensions will vary per site requirements. For installation details, please refer to the installation manual.



| VertaSec Models |               |       |
|-----------------|---------------|-------|
| Internal Dia.   | External Dia. | Wings |
| 63.0"           | 67.7"         | 3     |
| 70.9"           | 75.6"         | 3     |
| 70.9"           | 75.6"         | 4     |
| 78.9"           | 83.5"         | 3     |
| 78.9"           | 83.5"         | 4     |

