Gunnebo HiSec Nova

Motorised security portal

GUNNEBO®
Entrance Control

The Gunnebo HiSec Nova

HiSec Nova is a security product in the Gunnebo Entrance Control security automatic doors offering. The HiSec Nova has a transparent and elegant design offering a choice of security levels preventing piggybacking.

The doors are always locked shut in the rest position. An authorised signal opens the first door allowing the user to step into the booth where a presence is detected. When the first door is closed, the second door opens, thus allowing the user to pass through. The second door shuts after the unit has been vacated which also resets the system.

The portal includes a presence detection system as standard.

With the addition of one, or a combination of, single person detection systems the portals permit the passage of an authorised person only.

As an authorised user stands in the portal, it confirms acceptance of the occupant and authorises the exit door to open. When an optional single person system is used and identifies more than one person is present in the portal, the entry door will re-open and a vocal synthesiser will ask the occupants to leave.

The HiSec Nova is equipped with a electronic safety features that reverses the motor to re-open the door upon detection of an obstruction. The door fully opens to allow the obstruction to be removed after which it attempts to re-close.

Technical specifications

Drive
The portal is motorised, driven by geared high perfomace motors regulating the speed of movement. The safety of the user is ensured by monitoring the presence within the area and safety torque sensing of the drive.

Materials
Structure: Steel S235JR powder coated finish, RAL 9005 matt or RAL 9006 matt

Glass: Standard = BR1/S, P4A- 12 mm Laminate Safety Glass, EN1063/356 -Safety Manifestation on moving glass door

Ceiling: Steel S235JR powder coated finish, RAL 9005 matt

Base Plate: High strength 10 mm laminate with finishing in colour Plumb Grey

Sliding door: Aluminum frame, RAL 9005 matt or RAL 9006 matt

Light
A low voltage light is positioned internally on the ceiling.

Single Person Detection (optional upgrades available):

1. Visira™ Core
Detection via time-of-flight sensors. Permitted access only when the volume present in the portal is within the configured threshold.

2. Visira™ Core Option
Digital detection based on the limitation of space. The mat has two zones, with one small inner zone.
If pressure is applied outside the inner zone, passage will not be permitted. Can be combined with Ultrasound.

3. Visira™ Omni
Unique advanced image analytics, AI and a dual camera system. Detects and counts the number of people inside the portal. This standalone system ensures passage of one person only without being affected by other items inside the portal e.g bags, wheelchairs.

Active Infra-Red Sensor (optional)
Detects presence at the entry of the booth to allow free opening of the entry door if required.

Reader Integration (optional)
Readers can be located on the interior and exterior of the booth, allowing a single or two-factor authentication process. A confirmation signal is also given to affirm the completion of the passage.

Technical Data

Power Supply	230–240 VAC 50–60 Hz
Power Rating	230 V AC–1,4 A / 115 V AC–2,8 A
Logic voltage	24 V DC
Operating Temperature	From -10 °C to +45 °C
IP rating / MCBF / MTTR	IP20 / 2M cycles / less than 30 min
Flow Rates (approximate figures)	Proximity Reader, “Hands Free,” 6 passages per minute

Options

Semi-external installation	Active Infra-Red Sensor Integration of Card reader
Double Contact mat	Demountable version
NCI	Alternative finishes- Custom RAL colours, Stainless Steel
Emergency Button	Internal access control reader mounting system

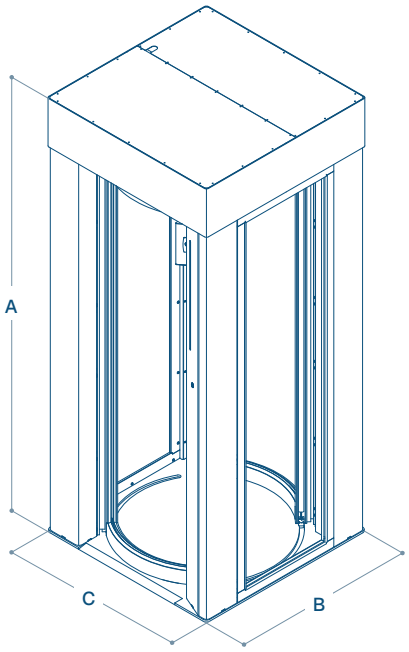
Applications

Head offices
Banking
Data centres
Telecommunications
Government
Information technology
Gym & Leisure

Power Failure

In the event of a power supply failure, the HiSec Nova system is equipped with a backup battery that ensures operation for approximately 200 opening/closing cycles or up to 24 hours in standby mode.
Once the battery charge is depleted, the system automatically locks the door on the internal side of the building in order to ensure access point security. At the same time, manual operation of the door from the external side remains always possible, thereby preventing the risk of people being trapped the portal and ensuring an adequate level of building protection.

Site preparation



Dimensions and weight

	Passage height	Passage width	A Cabinet Height[1]	B Cabinet Length[2]	C Cabinet Width[3]	Weight[4]
HiSec Nova Compact	2100	600	2320	995	995	400-450
HiSec Nova Wide	2100	900	2320	1500	1500	550-600

[1,2,3] Dimensions in mm.

[4] Weight net kg.

May require lifting equipment. For details refer to installation detail drawings.

Site preparation

Product is delivered fully assembled and requires lifting equipment.

Concrete Base to specification at least (cube) 30 N/mm² of resistance.
Base to be flat and level to ±5 mm over footprint area. Dimensions to be as below table:

HiSec Nova Compact	995 mm × 995 mm × 150 mm deep min
HiSec Nova Wide	1500 mm × 1500 mm × 150 mm deep min

Important: Any horizontal pipe or conduit running below the MTR must be at least 140 mm below FFL. Metal conduit for cables should be raised at least 50 mm 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 Data Sheet are for information only. In order to prepare the installation site, please refer to your usual Gunnebo Customer Service contact.

Conditions of use: When using Gunnebo's security access control gates, for security and safety reasons, children must always be supervised by an adult.

SmoothDrive

SmoothDrive is our panel drive control platform, designed to redefine how the systems move, feel and perform. By combining intelligent engineering, refined mechanics, and a standardised foundation, SmoothDrive delivers exceptionally smooth motion with enhanced safety and reliability. It transforms technical innovation into a seamless experience, setting a new benchmark for modern entrance control and forming the future ready platform behind our entire portfolio.

Key Benefits

Quieter operation

High reliability Brushless DC motor for fast, quiet and precise door movement

Improved safety

Designed to meet EN17352, providing reassurance and compliance for both building operators and users.

Brushless DC Motor Drive

A refined mechanical design delivers smoother motion, reduced wear and increased long term reliability.

Standardised platform

A shared mechanism across products enables quicker installation, easier servicing and simplified maintenance, reducing total cost of ownership.

NexusCore™

NexusCore™ is the intelligent electronics platform that powers every solution we deliver. Acting as the central brain of the system, it seamlessly connects every component and enables real-time decision-making, responding in milliseconds.

As the backbone of our architecture, NexusCore™ unifies audio, visual, access control, and communication systems, ensuring everything works together flawlessly.

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Take advantage of our knowledge:
www.gunneboentrancecontrol.com

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