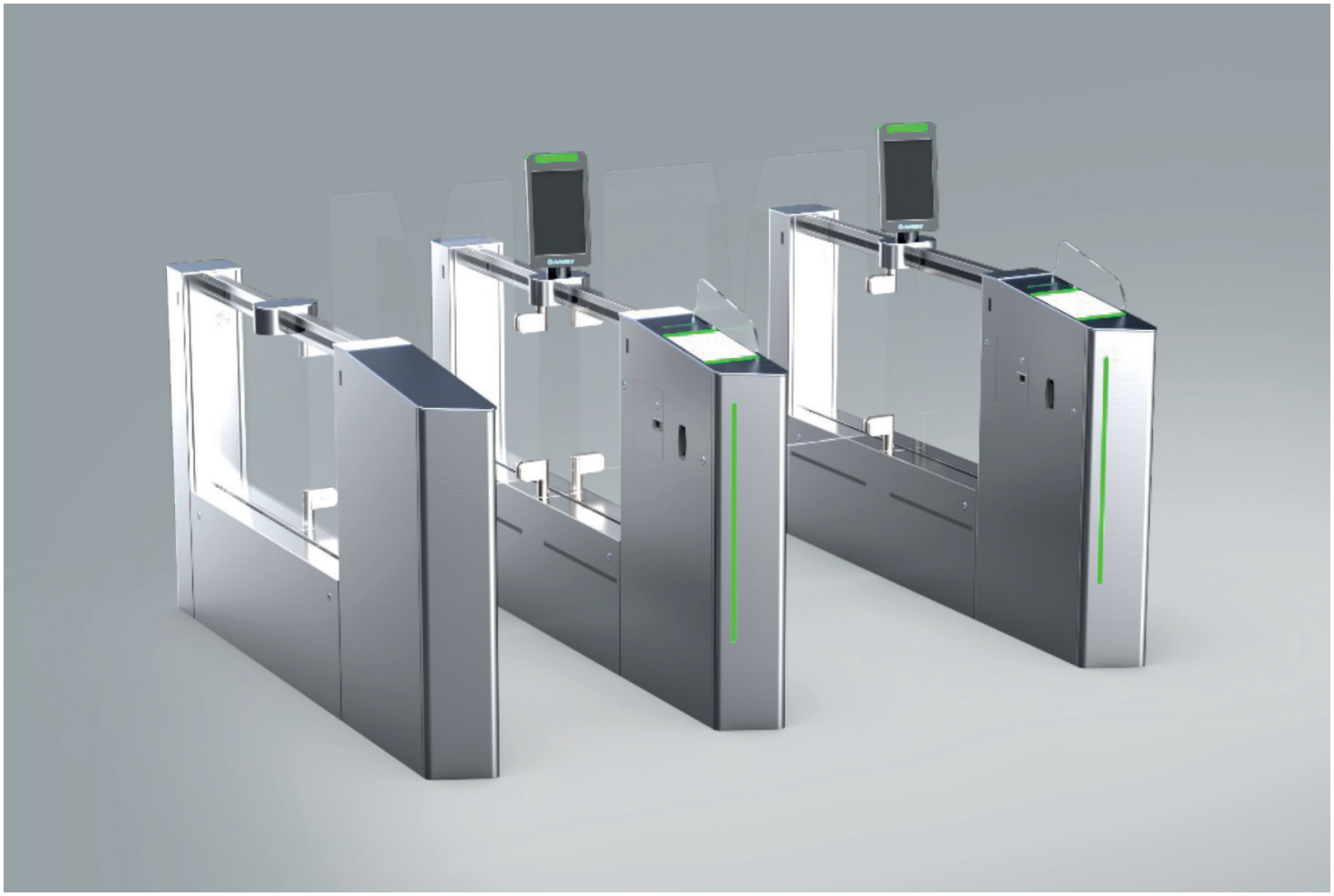


Gunnebo AFL 3.6

Pre-security and self-boarding modular gate solution

New AFL 3.6 gate, designed on the trusted performance and reliability of its predecessor, now reflects our refreshed Airport Range corporate look and feel — delivering a modernized experience while maintaining consolidated functionalities of the iconic AFL architecture. It regulates the flow of passengers through pre-security checks or aircraft boarding, freeing up the valuable time of airport starn and enabling them to concentrate on those passengers that need extra attention and support.

As with the manual BGR, the confirmation from the related airline host arrives almost instantly. Once received, the gate grants access allowing the passenger to move forward towards the aircraft.

Due to the certified full compliance with ITPS (formerly AEA 2007 – 2012) standards, the gate can be easily integrated into any Common-Use environment. Even an integration into dedicated environments can easily be realized.

Through the integration of an optional biometric identification system it is possible to use the AFL 3.6 not only for domestic but also for international flights.

A comparison of the facial image against the enrolled biometric data provides a secure, fast and convenient ID-check inside the gate.

The passenger interface and gate usage is simple and ergonomically optimized. A wide 10.1' LCD display can be mounted inside the mantrap to give proper instructions to the passenger.

Passage transit is controlled by Gunnebo's unique algorithm by means of a dense sensor array, providing reliable detection of fraud attempts as well as reliable confirmation of passenger's boarding.

The gate can be upgraded with a passport/document reader and biometric capture devices which linked to the boarding pass verification provides greater security.

GUNNEBO®
Entrance Control

Technical specifications

Drive
Highly reliable and long lasting brushless DC digital servomotor

Materials
Casework: AISI 304 grained stainless-steel
Moving panels: 10mm tempered clear glass
Central panel: 10mm tempered glass

Operating Modes

Entry
Controlled uni-directional with single person detection

Exit
Exit mode optionally operated by a push button located on the exit side or by protocol

Emergency
In power failure condition or when a remote emergency signal is sent

Stacking option
If passengers present their boarding passes directly one after the other, the gates does not need to close between them. It counts the passages and closes after the person who presented the last boarding pass. This feature provides flow rates of up to 60 passengers per minute.

Passenger Sensors

Gunnebo unique single person detection system and algorithm with a total of 16 sensors including safety sensors to comply to the latest EU safety regulations.

Controlling Unit

Gunnebo dedicated gate controller architecture.

Configuration and Remote Control

Manual configuration with onboard push buttons and display. Full remote control and diagnostics through ModBus Protocol on RS232.

Connectivity

Gate
- Modbus Protocol on RS232
- Digital I/O

Embedded PC
- 4 x RS232
- 4 x USB2.0
- HDMI Video
- 2 x Ethernet
- Intel i3 or i7 industrial PC options

LCD Colour Display
- 10.1’ WXGA 800x1280 resolution
- Elegant thin housing, with embedded status light
- Touch screen option available
- Entry leg and central position options
- Biometric version with camera available

Other Options
- thermal printer
- UPS
- tensa belt
- de-boardig button
- TOF overhead camera for zero-distance and side-by side detection (separate mechanical integration of the camera needs to be provided by installer – suggested height 2.3m-3m.

Status Lights

RGB LED indicator (red/green by default but configurable) on top of display unit is visible on both sides to indicate the status of the lane to an agent observing the gate.

Green/Red status lights around the 2D barcode reader indicate to the passenger that reader is ready to accept a boarding pass. Printer LED flashes when ticket receipt (e.g. for a newly allocated seat) is available on printer slot.

Gate-End-Display linear RGB LED informing queuing passengers in front of the gate about availability to process next passage (configurable colors, green/red by default).

Technical specifications

Technical data

Power Supply	110/ 230Vac 50Hz/115Vac 60Hz
Power Rating	240VA during panel movement, 60 VA in standby
Operating Temperature	-5°C to 40°C
IP Rating	IP 43
Flow Rates	In BCBP reading mode connected to the airport clearance system 10-12 PAX/ min (entry door in NO mde)
MCBF	10 million cycles

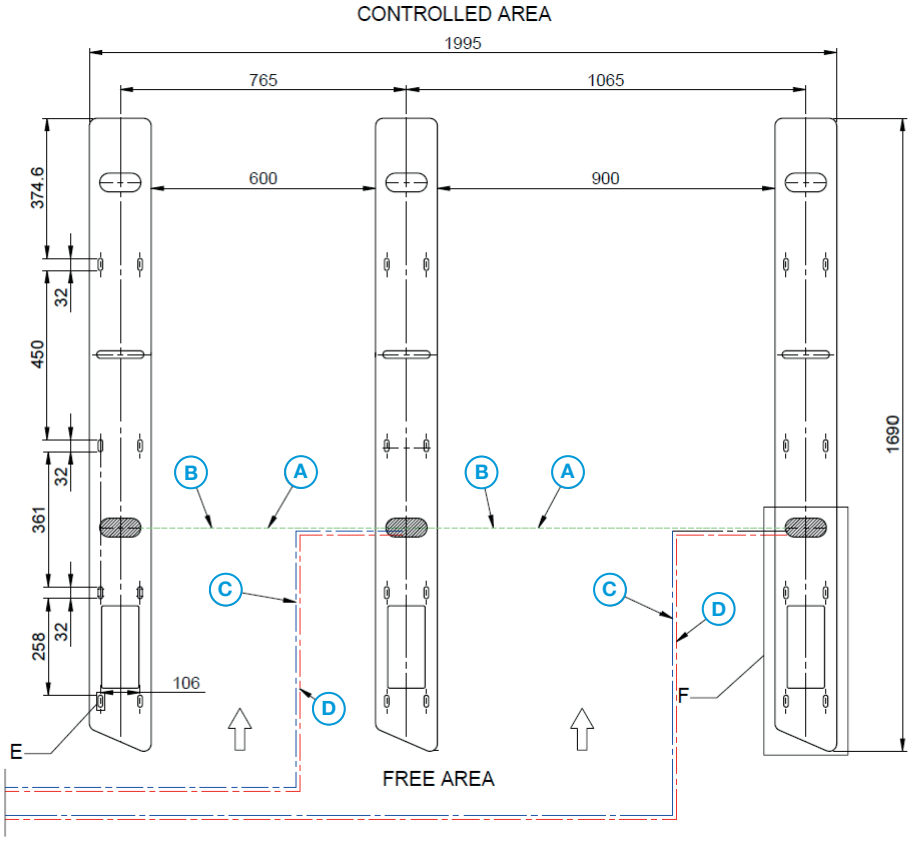
Benefits

- Ergonomic and elegant design
- High passenger throughput
- Increased security
- Reduction in staffing costs
- Smallest footprint in the industry, reduced space requirements

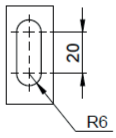
Features

- Walkway width from 600mm to 900mm
- 165 mm width cabinet footprint
- Plain or sloped entry leg options available
- Power Failure: Fail Lock and Fail Safe options available
- Torque-limited breakthrough option available (for fail-lock version)
- Advanced detection for reliable passenger safety even with carry-on luggage (16 IR beams). Predisposition for TOF overhead detection camera
- Optional push button on exit end for deboarding open
- Moving panel heights from 900mm to 1800mm for increased security
- Control unit: NEP Lite controller
- ModBus RTU protocol and digital I/O
- Highly customizable through BGR GUI settings
- Boarding Pass Reader (other options on demand): HID ATR200/210, Desko – Cube / BCR504PRO/pro 504BCR
- Passenger Display: 10.1’ 800x1280 pixel
- Gate Interface PC – high performance industrial PC (i3 and i7 versions available)
- OS: Windows 11
- Other travel ticket media NFC/OCR/RFID

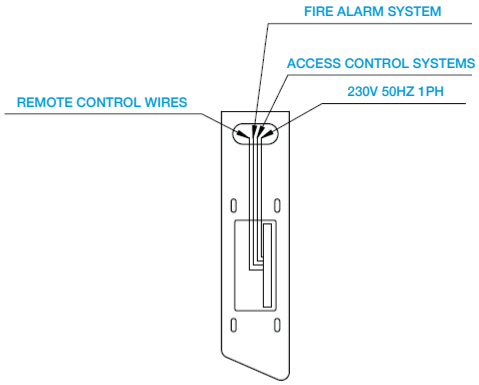
Installation dimensions, drilling and cable routing



- (A) Conduit for power supply from main to secondary
- (B) RS485 main to secondary
- (C) TX photocells connection secondary to main
- (D) Conduit for remote control or emergency signal

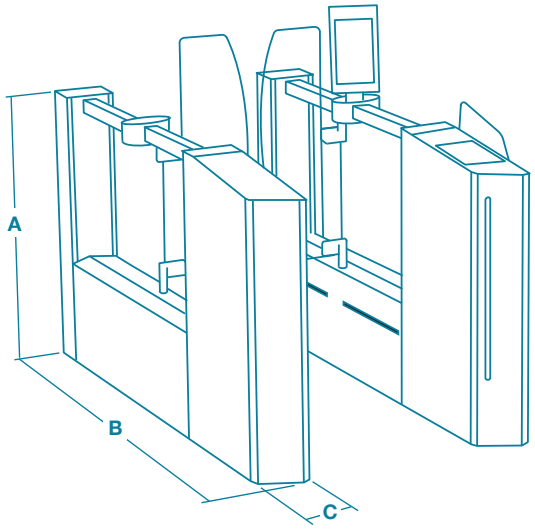


A (1:2)
8X FOR EACH CABINET



F (1:10)
CUSTOMER CONNECTION DETAIL VIEW

General dimensions

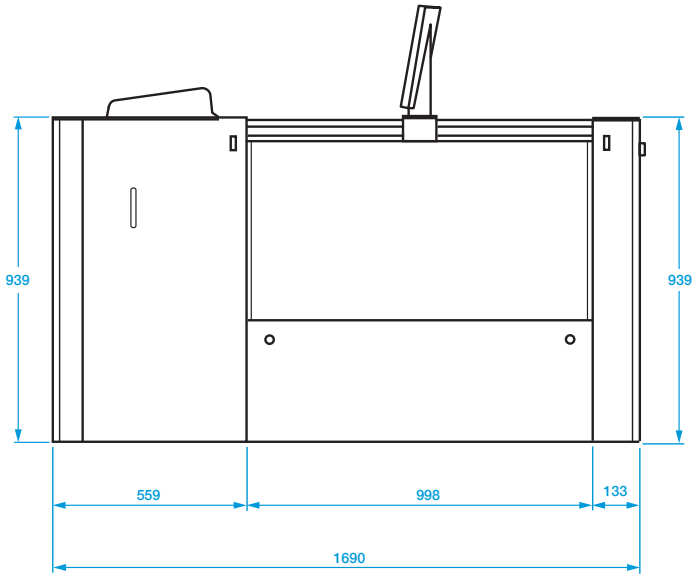


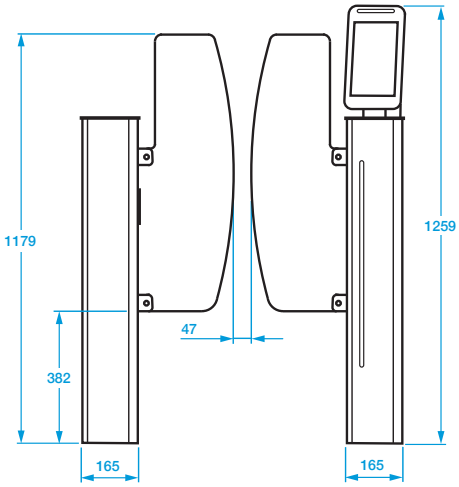
Dimensions

	Passage width*	A Height*	B Overall length*	C Cabinet width*
Gunnebo AFL 3.6	600 and 900	939	1690	165

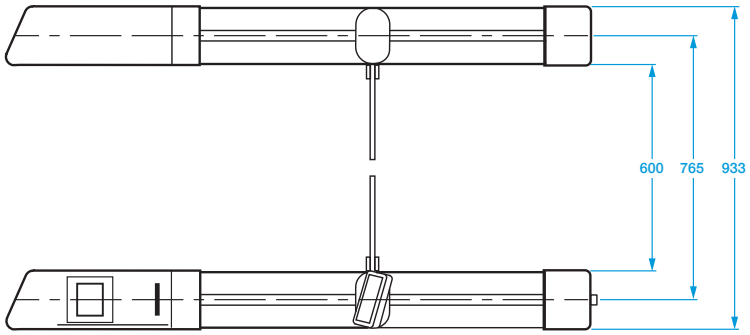
*Dimensions in mm.
May require lifting equipment. For details refer to installation detail drawings.

General dimensions

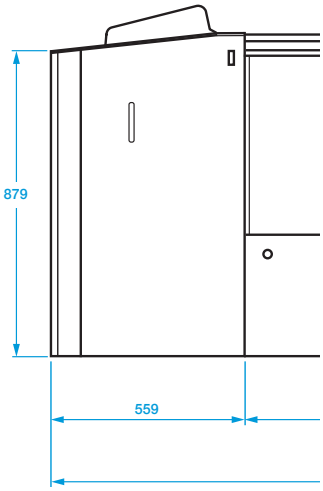




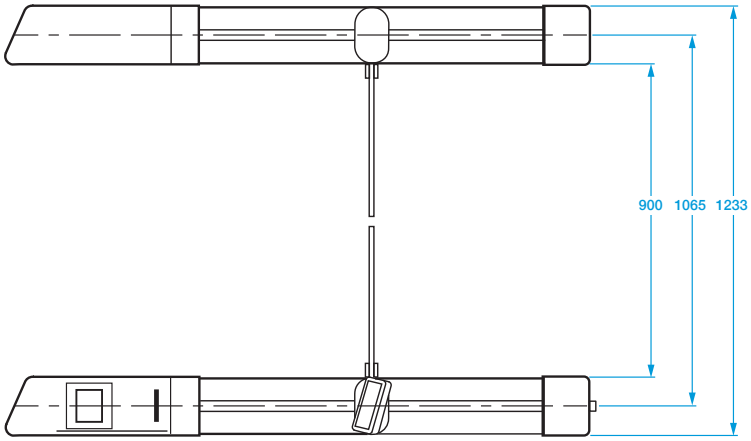
600mm passage width



Sloped front variant



900mm passage width



Site Preparation

Concrete Base to specification at least (cube) 300N/mm² of resistance. Base to be flat and level to +/- 5mm over footprint area.

International Standards

UL listed

CE & UKCA Compliance meeting the following:

- 2006/42/EC Machine Directive
- 2004/108/EC EMC Directive
- 2014/30/EU EMC Directive
- 1011/65/EU ROHS Directive
- 2021/19/EU WEEE Directive

Harmonized Norms

- EN 61000-6-2 (2005) Electromagnetic compatibility (EMC).
- EN 61000-6-4 (2007) +A1 (2011) Electromagnetic compatibility (EMC).
- EN 61000-3-2 (2014) Electromagnetic compatibility (EMC).
- EN 61000-3-3 (2013) Electromagnetic compatibility (EMC).
- EN 60335-1 (2012) + A11 (2014) Household and similar electrical appliances. Safety. General requirements
- EN ISO 12100 (2010) Safety of Machinery – general principle for design
- EN 16005 (2012) Power operated pedestrian doorsets. Safety in use. Requirements and methods. Limitation of impact forces tested according to Section 4.6.7 & safety cones according to Annex C.

For further information please contact:

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