

Gunnebo ClearSec FOS 90

Manual Full-Height-Turnstile for Internal and External Installation

ClearSec FOS 90 is a robust and elegant full-height turnstile including a protective roof with water draining system and way mode indicator lights. Delivered as mono-block and self supporting, it is easily installed and ideal for applications requiring high performance combined with a full stainless steel construction and transparent design.

It is available in single and double-interlocking layout configurations, for installations where space is an issue.

Passage in both directions is electronically controlled. ClearSec FOS 90 offers a standard electromechanical head able to prevent two passages at one time, equipped with damper for a silent mechanism and smooth operation.

In the event of an emergency or power-off scenario, the unit can be configured fail-safe i.e. rotor freely rotates or fail-lock i.e. rotor locks. This option is available either in one or both directions of passage.

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Technical Specifications

Drive

Hand operated. Logic Voltage 24Vac

Materials

Casework	304 Grade stainless steel with infill glass panels (5+5security glass)
Rotor Wings	304 Grade stainless steel
Rotor Spindle	304 Grade stainless steel
Floor Covering	Black rubber floor mat

Mechanism

Electro-mechanical head mechanism:

- Positive action lock to prevent two passages at one time
- Self centering mechanism to ensure complete rotation in the rest position
- Anti backup device to prevent reverse rotation once the head moved 30° from rest position
- Hydraulic damper to ensure a smooth and quiet operation

Power Failure / Fire Alarm

In the event of a power failure the rotor wings will remain locked in the fail-lock configuration or can freely rotate in the fail-safe configuration. Fail-Lock or Fail-Safe configuration is available in one or both directions and must be specified at time of order placement. Note that head mechanism fail state will be the same as power failure choice. Input facility available for voltage free contact to effect fire alarm fail state (COMR1 option required)

Interface

LCM02 microprocessor control logic:

- One input for opening/locking the mechanism in each direction
- Two protected outputs for control of the opening/locking solenoids
- Four protected outputs for piloting way mode indicators
- Two 0V output relays indicating availability of use in either direction
- Two 0V outputs to count passage in either direction

- Adjustable time out via parameter change: i.e. Go signal is cancelled if the passage is not completed within a pre-set time (standard default 8sec)

Power Supply / Power Rating

- 230Vac 50Hz or 115Vac 60Hz
- Power Rating 50VA, 50 + 50 VA for Double unit
- Without lights option

Operating Temperature / IP Rating / MCBF / MTTR

-5 to +50°C (RH 95% not condensing) / IP34 / 1.5M cycles / less than 30min

Flow Rates (approximate figures)

- Insertion Type Reader, 12 passages per minute
- Swipe Type Reader, 15 passages per minute
- Proximity Reader "Hands Free", 17 passages per minute

Options

Card reader integration

Switching interface COMR1

Serial interface RS485

Remote console

Internal lighting

Extra Canopy

Battery back-up

Applications

Government

Retail

Finance

Telecommunications

Information Technology

Banking

Publishing

Leisure

Petrochemical

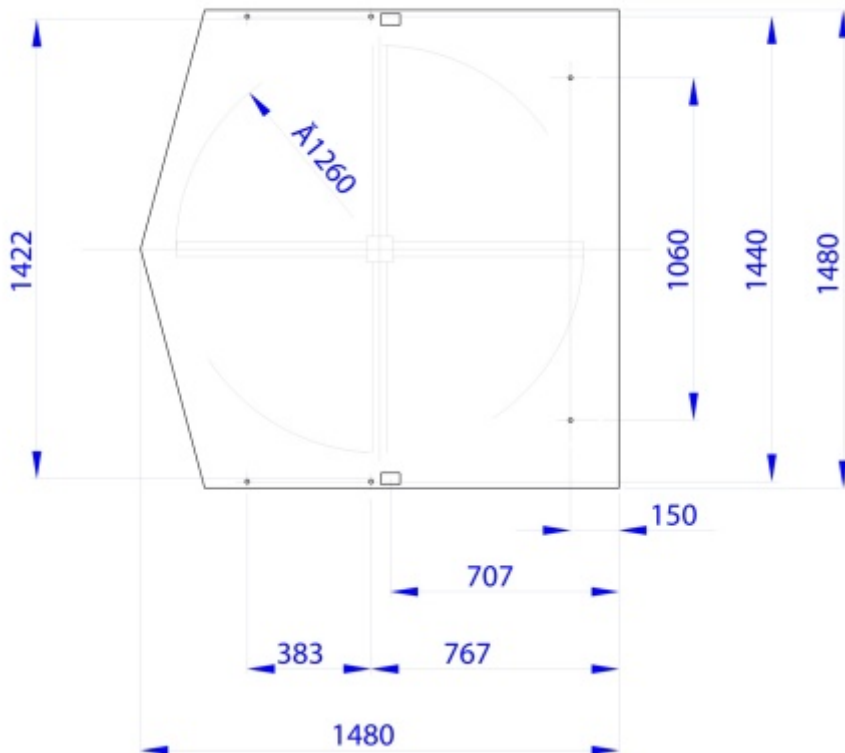
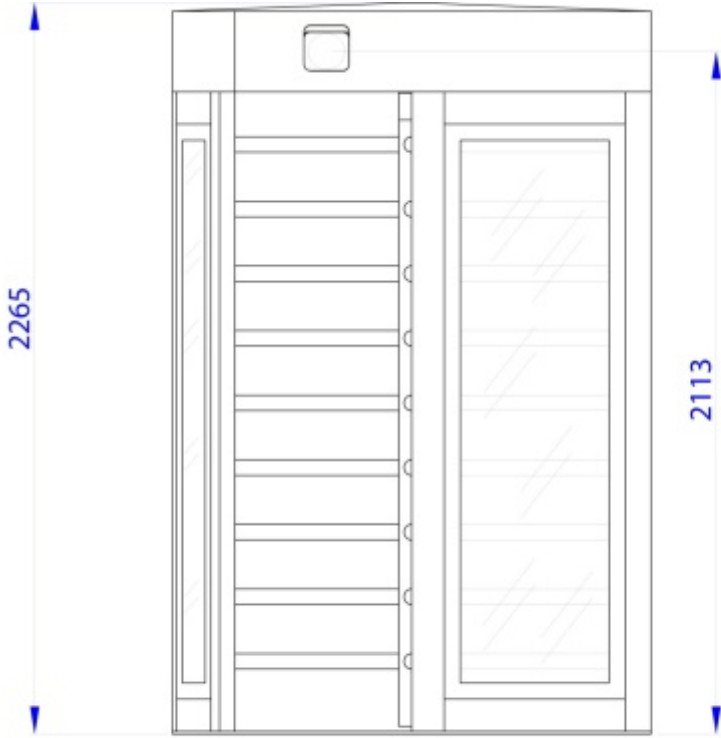
Education

Models or Versions

- FOS 90 Single
- FOS 90 Double Interlocking

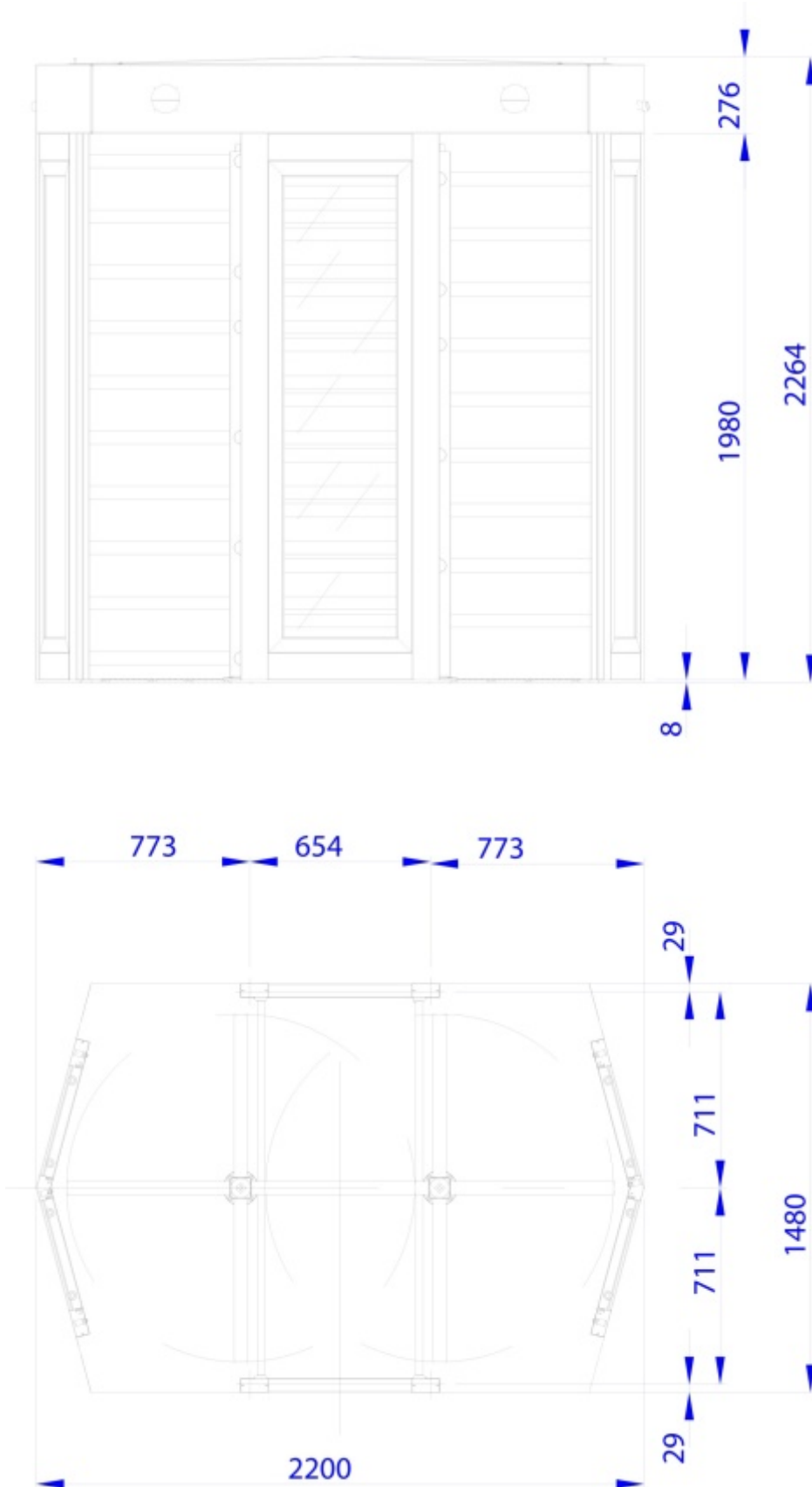
Site Preparation: Single Unit

Product delivered fully assembled and requires lifting equipment. Approx. weight 480Kg
(For installation details, please refer to installation layout drawings)



Site Preparation: Double Interlocking Unit

Product delivered fully assembled and requires lifting equipment. Approx. weight 750Kg
(For installation details, please refer to installation layout drawings)



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