

ALBANY

ASSA ABLOY



Rapid Roll ENVICO Series

The Durable High Performance Door Range
For Internal & External Applications



Product data sheet

Micro

The Micro door offers the end user a cost effective option for high speed automated doors. It provides all the benefits one would expect from a high speed door - higher productivity, superior environment control, safer working conditions and increased hygiene control. The door has very good sealing properties whilst also offering good positive pressure resistance. The door has been specifically designed to provide economical solutions for small openings which in the past may have used less effective alternatives such as PVC swing doors and strip curtains. The Micro door retains many of the features that the Maxim door offers, with the superior reliability and durability that Envico™ doors are known for.



The Small Door Solution

- Minimal Lintel Space
- Sizes up to 3000W x 3300H
- Ideal for small interior & exterior applications
- Small installation foot print
- Standard 240v (10AMP) power supply

Maxim

The workhorses of the Envico™ range. Research has shown that the Maxim door has some of the lowest running costs when compared with other rapid roll doors on the market. The doors are designed with quality, durability, reliability and simplicity as the key design principles. Envico's 100% curtain relocating system, results in a truly reliable high speed door. Down time with door repairs due to collisions by forklifts and costly replacements of bottom rails become a thing of the past. All Envico™ doors have adjustable speed drives for smooth and quiet operation. This feature will also control the down speed of the door offering additional safety for pedestrians.



The BIG One

- Can be supplied up to 4000W x 4000H
- Ideal for areas of heavy industrial traffic
- High visibility options available

ENVICO Rapid Roll Doors

Albany Door Systems Envico range has four key criteria as a part of its design philosophy: they are Quality, Reliability, Durability and Simplicity. These are the fundamental attributes that the doors are built on. The robust and uncomplicated nature of the design guarantees very low running costs. The doors automatic curtain relocation feature means little down time in the event of accidental collisions. While the door carries quality components and is simplistic in design, it still provides a modern look.

RELOCATOR

In the event of accidental collisions the relocating system ensures that the curtain automatically reinserts itself back into the track. The ENVICO relocating system means that in most cases there is no down-time for collision repairs.



DOOR CURTAIN

The following designs are available:

- 1mm continuous Rip-Stop PVC door blade
- Standard with 50mm reinforced webbing strips on side edges
- 50mm reinforced webbing strips also on centre section of door blade with door widths 4500mm and over
- Reinforced wind bars for wind classes 2 and 3

DOOR FRAME

The side frames are manufactured from robust aluminium extrusions and can optionally be powder-coated in a wide variety of RAL colours.

VISION PANELS

2 rows of windows is provided as the standard option. Up to 5 rows of windows can be installed depending on door dimension.



VENTILATED PANELS

Ventilation panels still provide a good degree of visibility and up to 5 rows of panels can be installed if opening height allows.



ACTIVATION

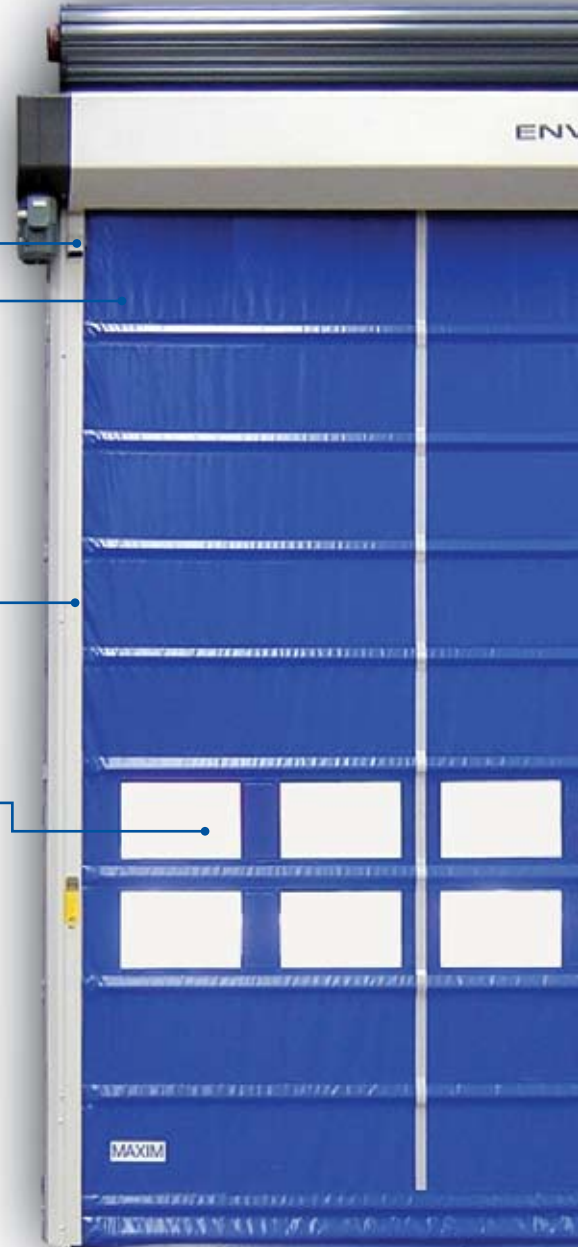
A number of activation options or safety devices are available and can be used depending on the application. We are happy to advise and put together a solution that fits your requirements.

STAINLESS STEEL

For environments where standard materials are not suitable stainless steel components are available. Some examples of environments where stainless steel would be used are caustic wash down areas and salt or sugar plants.

SIZE OPTIONS – MICRO

Micro size option ranges from DW Min/Max 2000mm – 4000mm and DH min/Max 2000mm – 4000mm





EXTERIOR DOOR COMBINATION

The ENVICO door range is ideally suited when combining with other door types for exterior applications. The Maxim head assembly is supported by the 2 side frames and is therefore free-standing. This allows the Maxim to be safely mounted in front of a conventional steel roller door. This is ideal for exterior applications where both security and productivity are important. Sealing between the doors is maintained using the seal kit supplied with the door.



MOTOR AND TOP ROLL COVER

Doors come with a galvanised and powder-coated front hood cover. Motors come standard with fibre-glass covers. Covers can easily be removed for inspection and service work. A full motor cover (shown here) can also be supplied as an optional extra.



DRIVE SYSTEM

The standard drive system is a direct drive via a gearbox and brake motor. The motor can be positioned on the right or on the left side of the door.

CONTROL UNIT

The ENVICO Rapid Roll door is equipped with an integrated control system. This comes with a PLC logic controller as well as a variable speed drive for adjustable up and down speeds. The control system offers a range of expandable options to support most applications.



SAFETY FEATURES

These doors have a built-in flexible soft bottom edge that ensures the safety of both pedestrians and product. The doors are also equipped with photocells in the side frames which prevent the door from closing as long as persons or objects are in the closing plane.



SIZE OPTIONS – MAXIM

Maxim size option ranges from DW Min/Max 2000mm – 6000mm and DH min/Max 2000mm – 6000mm

Quality

Innovative design and quality components ensure the Rapid Roll Envico Series are manufactured to the highest quality and standard. These doors provide all the benefits one would expect from a rapid roll door including; higher productivity, superior environment control, safer working conditions and increased compliance control.



Reliability

Using a direct drive motor and gearbox the Rapid Roll Envico Series delivers a reliable drive system capable of operating in high cycle environments. Adjustable speed drives allow for smooth and quiet operation which provide control of down speed for increased safety.



Durability

The Rapid Roll Envico Series comes standard with innovative features like the flexible soft bottom edge and automatic relocation system. These features are designed to provide minimal down time as a result of collisions by fork traffic. Costly repair and replacement of bottom rails also become a thing of the past.



Simplicity

The Envico range emphasises and incorporates a simple design philosophy, with no moving sensors and minimal moving parts the Rapid Roll Envico Series are the work horses of the Envico range and research has shown them to have some of the lowest running cost of rapid roll doors on the international market.



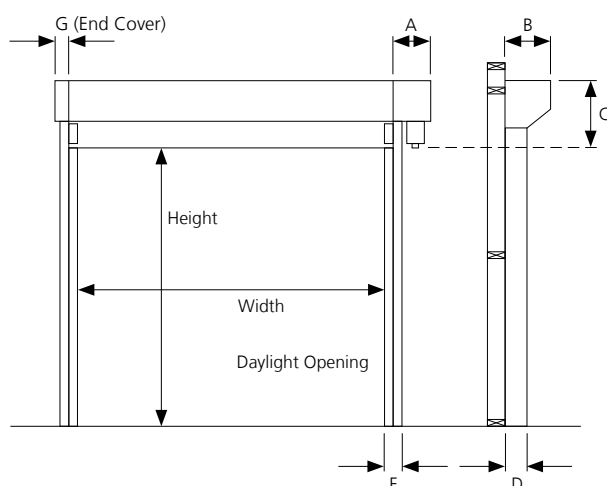
Technical Data	Micro	Maxim
Application	As an interior or exterior door	As an exterior or interior door
Wind resistance	Class 2 - EN 12424	Class 3 - EN 12424
Door dimension (mm)		
(DW min./max.)	2000/4000 mm	2000/6000 mm
(DH min./max.)	2000/4000 mm	2000/6000 mm
Door area	16 m ²	36 m ²

Surface material		
Side frames	Zinc with silver powder-coated finish (RAL 9018)	Zinc with silver powder-coated finish (RAL 9018)
Side frame covers and tracks	Anodised aluminium covers	Anodised aluminium covers
Top roll cover	Zinc with silver powder-coated finish (RAL 9018)	Zinc with silver powder-coated finish (RAL 9018)
End covers – standard	Fibreglass – dark grey (RAL 9011)	Fibreglass – dark grey (RAL 9011)
Motor cover – fully enclosed	Zinc with silver powder-coated finish (RAL 9018)	Zinc with silver powder-coated finish (RAL 9018)

Door curtain		
Door Blade	Continuous 900g/m ² Ripstop PVC	Continuous 900g/m ² Ripstop PVC
Colour options	A number of RAL colours available	A number of RAL colours available
Vision (windows)	2 rows of windows standard	2 rows of windows standard
Vision or ventilation panels	Up to 4 rows	Up to 5 rows

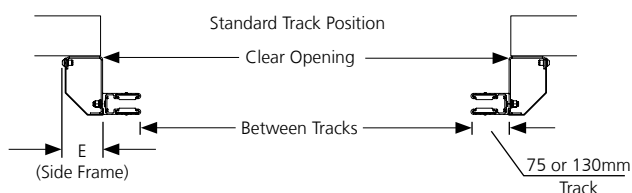
Drive unit/control system		
Variable speed drive	Standard	Standard
Motor power	1.1kW	From 1.1kW to 3.0kW
Opening/closing speed up to max.	1.2 / 0.8 m/s	1.3 / 0.8 m/s
Fuse protection	10 A	10 A
Control voltage	24 V DC	24 V DC
Protection degree	IP 56	IP 56
Mains connection	1/(N)/PE 230, 50Hz	3/(N)/PE 400, 50Hz

Safety		
Soft bottom flexible edge	Standard	Standard
Inline photocells	Standard	Standard
Adjustable down speed for high pedestrian areas	Standard	Standard
Traffic light function	Option	Option



Model	A	B	C	D	E	F	G
Micro	220	355	380*	90	60	135	65
Maxim	280	405	620	120	85	160**	120

* 500mm when door height is over 3000mm high
 ** 215mm when 130mm track is used



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