

Delta Speed 9000 Mega Pack External High Speed Door

Product Data Sheet
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Product Description

The Delta Speed 9000 Mega Pack high-speed door is from our comprehensive range of high speed doors, offering proven reliability for almost any application up to 35.0m wide x 20.0m high as standard. The extreme opening capabilities of this model are possible using the specially fabricated bottom rail and intermediate strengthening assemblies.

The Delta Speed 9000 Mega Pack is available in larger sizes for applications such as aircraft hanger where hinged guides sections allow for extremely wide and high vehicular traffic with openings up to 50m wide x 25m high. Please ask one of our sales representatives for these applications.

All Enerco high-speed doors are manufactured in modular design and are almost maintenance free. This results in outstanding operational reliability, fast and inexpensive repairs when damage occurs, as well as very low operating costs.

This is especially true of this door with its modular curtain structure incorporating galvanised steel wind brace assemblies essential for large doors such as aircraft hangers, naval applications and wide industrial openings.

High-speed doors protect from drafts, keep temperature zones at a constant temperature and insulate against noise. In addition to this, they help to improve the working environment.

The motor, control and safety systems and the modular counterweight balancing system are neatly housed in the head assembly and vertical guides and there are no external protrusions thus making the door ideal for fitting within the reveal or behind an existing security door.



The Delta Speed 9000 has opening speeds of up to 500mm per second and closing at 200mm per second subject to the size of door

Applications

- To minimise energy losses by automatically opening and closing safely and quickly.
- Minimise draughts and maintain constant temperatures
- As an external door where goods are despatched and received on a regular basis.
- As a partition between two areas
- Large exposed doors
- In busy traffic doorways
- Maximise pest / vermin control
- Enhance the aesthetic appearance
- Ideal for windy applications
- Aircraft hangers
- Ship building areas
- Large storage and production areas where extremely wide or high goods pass through openings
- Divisions in sports halls, exhibitions etc

Curtain Design

The curtain is made from a class 2, 900g/m² self extinguishing polyester reinforced fabric coated with colour impregnated PVC and is available in a range of standard colours. Please see page 2 of this product data sheet for the colours available.

The Delta Speed 9000 provides proven reliability and resistance against wind pressure up to 160km/h. Each curtain is individually calculated to incorporate the necessary amount of fabricated wind restraint sections. These assemblies combine to provide not only the strength to withstand the pressures exerted on the curtain, but also the means by which the curtain is lifted and neatly stacked in its fully open position.



Each prefabricated section is concealed within the curtain so as to provide an aesthetically pleasing door.

The curtain is raised and lowered using multiple lifting belts which have a capability of 3000kgs per belt. These belts are attached to the bottom rail and via a series of loops, pick up the subsequent bars when the door is signalled to open.

The curtain material and wind bar system ensures effective protection against cold, heat, dust, noise, with high resistance to wind pressures on the Mega Pack model up to 160km/h as standard subject to size. Please see details on page 4.

Vision sections can be applied to the curtain to allow natural daylight to enhance the working area. These vision sections are either 800mm or 1200mm in length and 300mm high. They can be supplied either as a row or multiple rows as required.

Frame Design

The vertical side guides and head assembly are manufactured from galvanised steel.

Door Drive Mechanism and Control Panel

Controls consist of an integrated control panel manufactured to IP55 that control all of the door functions including the failsafe diagnostics required for the photocell and safety edge in compliance with European Directives 98/37/CE and 89/106/CE.

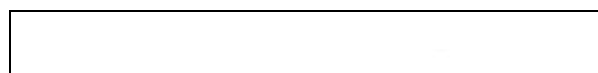
The control panel is equipped with sequential push button, emergency stop and interlocked isolator.

The power supply required to support the door is 415v 3phase, Neutral & Earth 20a which via the integrated circuit board and contacted power the heavy duty motor complete with digital limits and electrically operated brake.

Safety Features

- Dead man operation only
- Emergency opening lever (standard)

Standard Curtain Colours For 900g/m²



White similar to RAL 9010



Dark Blue similar to RAL 1015



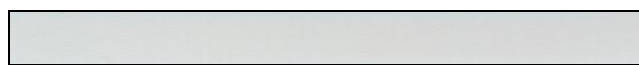
Yellow similar to RAL 1003



Orange similar to RAL 2004



Red similar to RAL 3002



Light Grey similar to RAL 7035

At special request your company's logo could be applied to the curtain to advertise your product, brand or company name. Special instructions "no pedestrian access" or "Restricted Area" can also be added to suit your particular requirements.

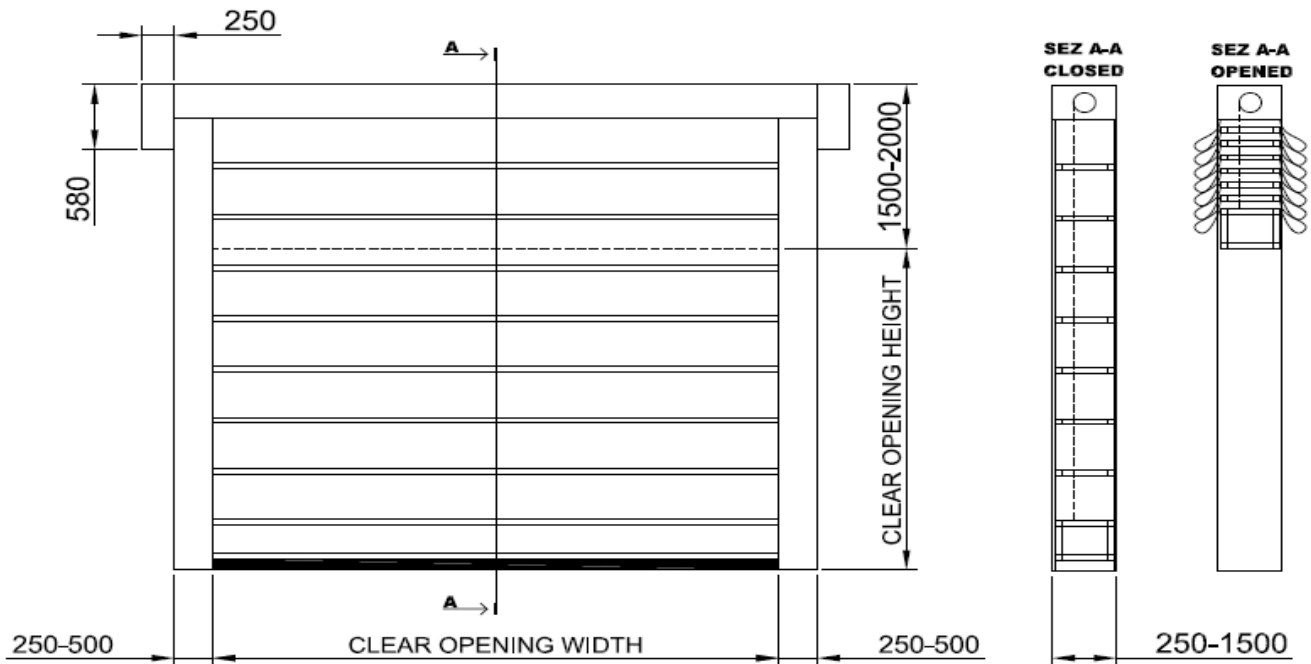
Guide and Canopy Colours

As standard the guides are supplied galvanised with optional powder coated finishes in White RAL 9010, Red RAL 3000, Dark Blue RAL5010, Grey RAL7037, and Green RAL6005.

Remote Controls

The door can be supplied with additional remote controls. These fall into two categories, activation and safety. When wired to activate, they will open the door from its closed position, stop the door from closing when open and stop / reverse the door when closing. When wired to safety the features are the same as to activate however the door will not open when closed.

Our sales team will be pleased to discuss the options with you.



Technical Data

Application	Internal	Yes
	External	Yes
Speed	Maximum opening speed	0.5m/s
	Closing speed variable	0.2m/s
CE Marked	Manufacturers Declaration Of Conformity	Compliant
Mechanical compliance	BS EN12604	Compliant
Safe Use Of Power Operated Doors	BS EN12453	Compliant
Safety equipment	DIN EN13241 - 1	Compliant
Resistance against wind pressure	DIN EN12424	Class 5 (160km/h)
Water Tightness	DIN EN12425	Class 3
Door sizes	Width LB max. mm	35000
	Height LH max. mm	20000
Space requirement for fitting	Side room both sides front & side mounted motor	Subject to size of door
	Headroom	Subject to size of door
Control Panel Style & Size	Contactors controls in steel casing (W x H x D)mm	300 x 400 x 150
Operating Temperature range	Subject to application	-25°C - +70°C
Door construction	Self supporting	Included
Curtain / Door leaf	900gm Polyester reinforced coloured PVC	Included
Guide Material	Galvanised steel	Included
	Powder coated RAL choose colour	Optional
Barrel Cover	Standard	Optional
Operator and controls	Contactors	Included
	Supply voltage	3PHNE 20A
	Open button	Included
	Emergency Stop	Included
	Fuse	20amp slow acting
	Protection category	IP55 standard
		IP65 optional
	Safety protection	Included
	Electronic limits	Included
Emergency Opening	Counterweight	Optional
Activators	Induction loop	Optional
	Photocells	Optional
	Pull cords	Optional
	Radar	Optional
	Radio control	Optional
	Proximity Sensor	Optional
Accessories	Traffic lights	Optional
	Flashing beacon	Optional
	Audible alarm	Optional
	Protection barriers / Bollards	Optional



Warranty

The door is supplied with a 24 month parts and labour warranty as standard providing the equipment is serviced by an Enerco trained fully qualified high speed door engineer in accordance with the service intervals detailed below. To satisfy the requirements of the warranty, an agreement must be signed and dated within 30 days of the installation date. Failure to service the product in accordance with the service schedule or by unqualified engineers will result in the warranty being null and void.

Servicing

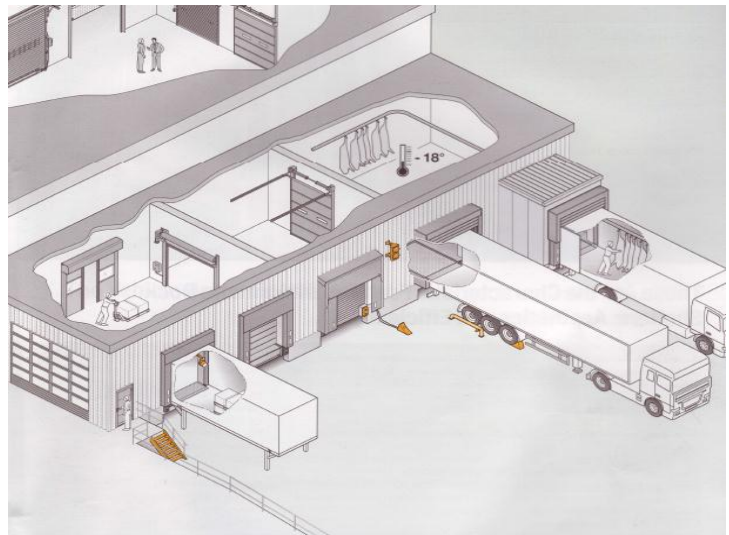
To help protect your investment and extend the effective working life of the equipment, full maintenance packages are available and, in most cases, we can maintain all of your existing doors and loading bay equipment. The door must be serviced at least once per annum or every 100,000 cycles whichever is applicable. Full details of our preventative maintenance packages are available on request. Enerco recommend the first service is carried out 6 months after installation to ensure the number of cycles can be monitored.

We have Safe Contractor, CHAS and Construction Line accreditation as well as being active members of the Doors and Hardware Federation (DHF) where we have their seal of approval for the service and maintenance of doors. We ensure that our staff are trained to the highest standard and all have an NVQ qualification in line with current industry guidelines This NVQ is in addition to the CSCS Health and Safety, First Aid, Asbestos Awareness and other training including product training applicable to our industry and is continually being updated.



Other products in the Delta range from Enerco include: -

- Delta Guard – Commercial Shutters
- Delta Roll – Steel Roller Shutter Doors
- Delta Check – Fire Roller Shutter
- Delta Secure – High Speed Security Doors
- Delta Slide – Insulated Overhead Doors
- Delta Insudoor – Insulated Roller Shutters
- Delta Part – High Speed Bi – Parting Doors
- Delta Strip – Strip Curtains
- Delta Steel – Steel Security Door Sets
- Delta Fold – Steel Sliding Folding Shutters
- Delta Level – Dock Levellers
- Delta Lift – Scissor Lifts
- Delta Seal – Dock Sealing Systems
- Delta Shield – Perimeter Security
- Delta Bar – Window Bars
- Delta Grille – Retractable Window Grilles
- Delta Service – Service and Repairs
- Delta Load – Loading Bay Accessories
- Delta Glide – Garage Doors



Please contact our sales team for more information on 01525 289322 or a brochure. Alternatively visit our web site www.enerco.co.uk or www.enercohighspeeddoors.co.uk

We reserve the right to change the specification of this product or alter the product data sheet without prior notification