

Delta Speed 8000 Pack External High Speed Door

Product Data Sheet
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Product Description

The Delta Speed 8000 Pack high-speed door is from our comprehensive range of high speed doors, offering proven reliability for almost any application up to 20.0m wide x 10.0m high. The very large opening capabilities of this model are possible using the specially fabricated bottom rail and intermediate strengthening bar 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 see separate product data sheet for this product.

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 assembled by anodized aluminium extrusions and simple wind brace system essential for large doors.

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 8000 has opening speeds of up to 1000mm per second and closing at 500mm per second

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.

As well as the standard range, for multiple door orders, it is possible to manufacture the curtain in a range of other colours or have your company logo or branding applied to the surface. Please ask your Enerco contact for more details.

The Delta Speed 8000 provides proven reliability and resistance against wind pressure. Each curtain is individually calculated to incorporate the necessary amount of integral wind bars. These bars 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 folded in its fully open position. Each bar is concealed within the pockets manufactured from the same colour material as 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.

In the event of impact each of the tubular bars is simply withdrawn and replaced or straightened subject to the extent of the damage thus keeping curtain repairs to a minimum.

The curtain material and wind bar system ensures effective protection against cold, heat, dust, noise, with high resistance to wind pressures on the Pack model up to 140km/h as standard subject to size. Please see details on page 4.

The bottom profile complete with fail safe sensor ensures that the door closes safely.

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 and are available in either a powder coated finish to standard RAL colours or alternatively can be manufactured from stainless steel if required

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.

Further benefits include as standard interlock capability, induction loop cross traffic detection and many others.

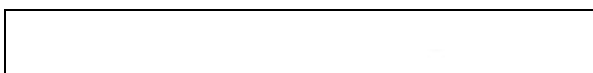
The power supply required to support the door is 415v 3phase, Neutral & Earth which via the integrated circuit board and contacted power the heavy duty motor complete with digital limits and electrically operated brake.



Safety Features

- Photocell protection (standard)
- Electric safety edge (standard).
- Emergency opening lever (standard)
- All safety features are failsafe (standard)

Standard Curtain Colours For 900g/m²



White similar to RAL 9010



Dark Blue similar to RAL 1015



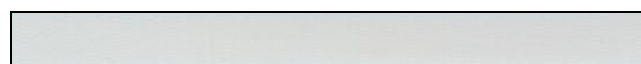
Yellow similar to RAL 1003



Orange similar to RAL 2004



Red similar to RAL 3002



Light Grey similar to RAL 7035

Additional colours are available in 900g/m² material including Green RAL6028, Beige RAL1015, and Light Blue RAL5012

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 stainless steel depending on model. In addition the doors can be customised with powder coated finishes in White RAL 9010, Red RAL 3000, Dark Blue RAL5010, Grey RAL7037, and Green RAL6005.



Remote Controls

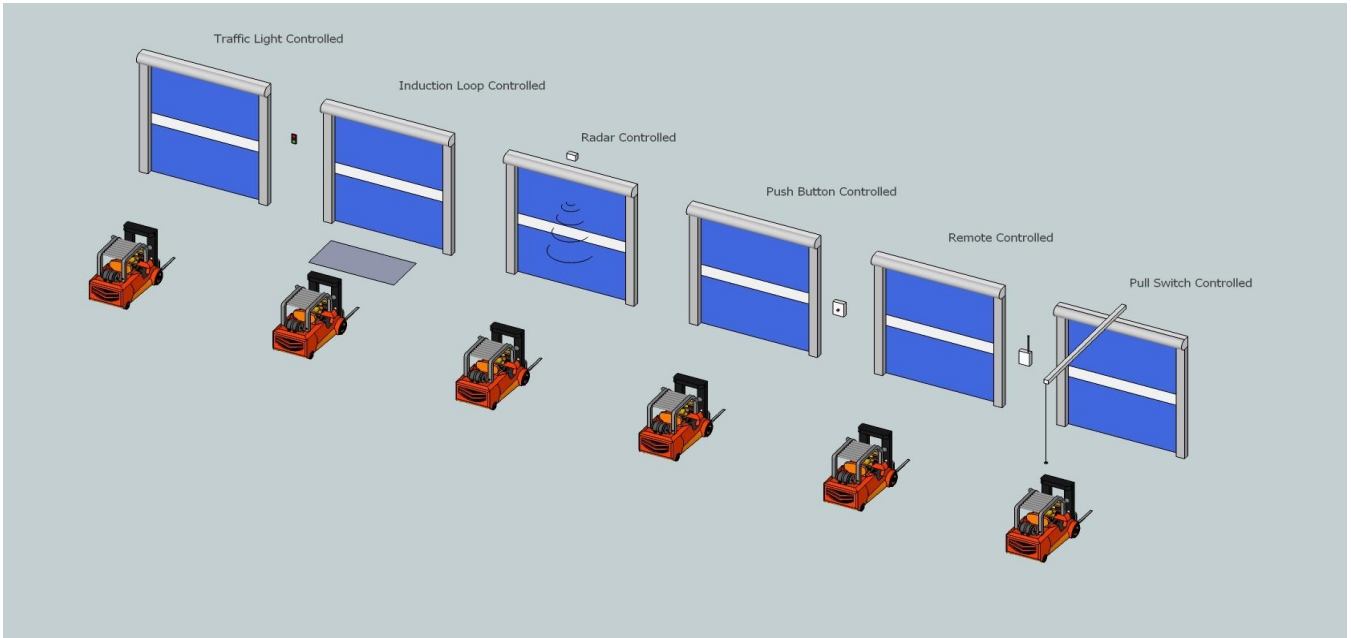
The door can be supplied with additional remote controls. These fall into two categories, activation and safety. When wired to activate, they will open the door from its closed position, stop the door from closing when open and stop / reverse the door when closing.

When wired to safety the features are the same as to activate however the door will not open when closed.

Remote controls include those shown below (left to right) interlocked and traffic light controlled, induction loops, radar (motion and presence sensor), push buttons, radio / infra red controls or pull switch operation.

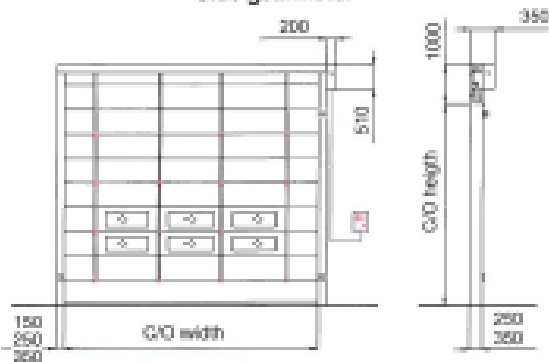
Other methods of operation are available such as light grilles, photocells etc i.e. virtually any method providing which momentarily closes a 0 volt normally open circuit. In addition dependant on the complexity of the operation, it may be necessary to use a combination of two different types.

For example where you have numerous doors in close proximity using a radar and radio control gives high control over the doors rather than using multi channel transmitters. Our sales team will be pleased to discuss the options with you.

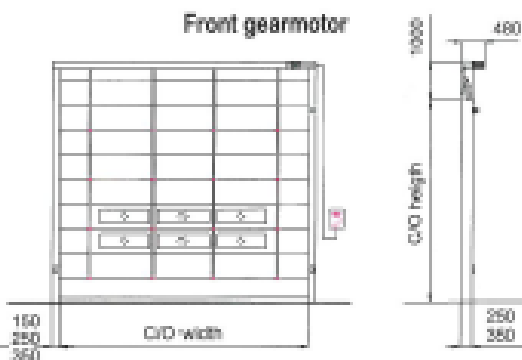


SIDE AND HEAD ROOMS (STANDARD VERSION)

Side gearmotor

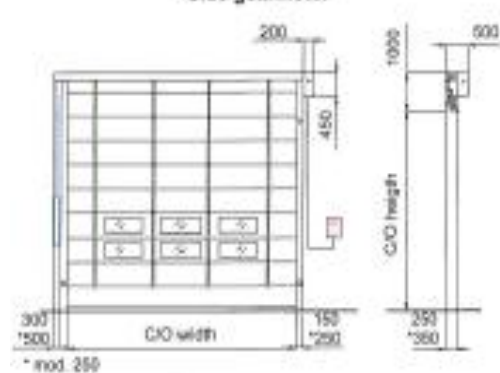


Front gearmotor

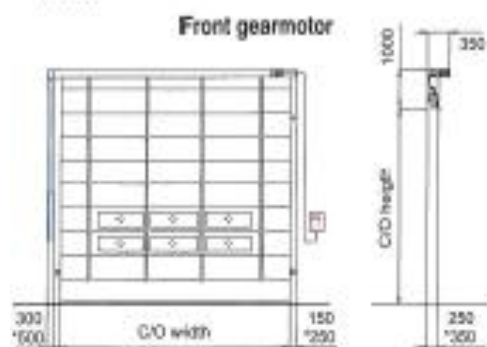


SIDE AND HEAD ROOMS (COUNTERWEIGHTED VERSION)

Side gearmotor



Front gearmotor





Technical Data

Application	Internal	Yes
	External	Yes
Speed	Maximum opening speed	1.0m/s
	Closing speed variable	1.0m/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 4 (140km/h)
	Up to 3m x 3m	Standard
	Up to 5m x 5m	Standard
		Optional
	Up to 8m x 8m	Standard
		Optional
	Up to 20m x 10m	Standard
		Optional
Water Tightness	DIN EN12425	Class 3
Door sizes	Width LB max. mm	20000
	Height LH max. mm	10000
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
	Stainless steel AISI 304	Optional
Barrel Cover	Standard	Optional
Operator and controls	Contactors	Included
	Supply voltage	3PHNE 16A
	Open button	Included
	Emergency Stop	Included
	Fuse	16amp slow acting
	Protection category	IP55 standard
		IP65 optional
	Safety protection	Included
		Optional
		Included
		0 – 200 seconds
	Timed closing	Included
	Electronic limits	Included
Emergency Opening	Hand crank	Included
	Battery back-up	Optional
	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.

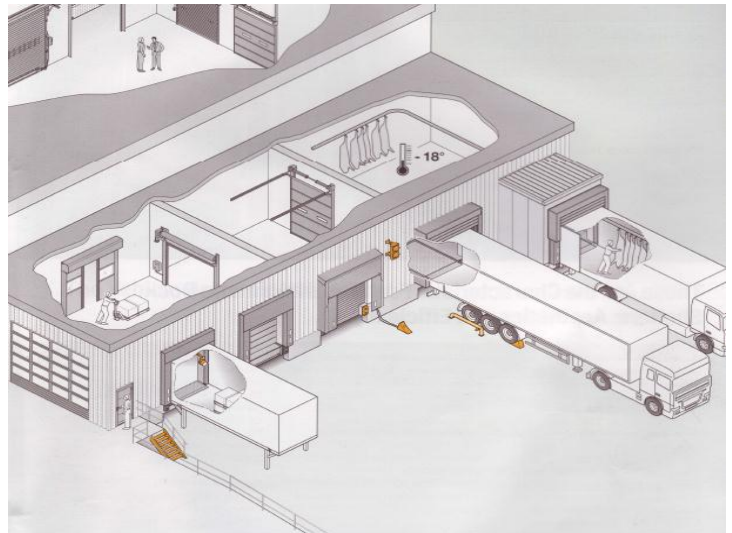


We have Safe Contractor, CHAS and Construction Line accreditation as well as being active members of the Doors and Hardware Federation (DHF) where we have their seal of approval for the service and maintenance of doors. We ensure that our staff are trained to the highest standard and all have an NVQ 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

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