

Delta Speed 7000S Dynamic Roll High Speed Door Product Data Sheet 3 / 5

Product Description

The Delta Speed 7000S Dynamic Roll high-speed door uses the latest technology to provide a very simplistic high speed door for a variety of internal applications that require proven reliability in standard sizes up to 3.5m wide x 3.5m high and where the usage is not more than twice per minute. For doors that require higher usage, external applications or larger sizes, please see our models 7000M and 7000L or other doors in the Delta Speed range.

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 low operating costs.

This is especially true of this door which features a special innovative self repairing system should the curtain be dislodged by impact. The door will simply recover its position with one open and closing cycle.

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 security and the working environment.

The Delta Speed 7000S Dynamic Roll has an opening and closing speed of 1000mm per second.



The motor, control and safety systems are neatly housed in the head assembly and vertical guides.

Applications

- To minimise energy losses by automatically opening and closing quickly and safely.
- Minimise draughts and maintain constant temperatures
- As an internal door where goods are despatched and received on a regular basis.
- In busy traffic doorways
- Ideal for maximum pest / vermin control
- Enhance the aesthetic appearance
- Supermarkets between sales floor and back stage areas including large LOGO areas printed onto the curtain
- Cold store areas
- Food preparation areas
- Fire escape routes

Curtain Design

The curtain is made from a class 2, 1300g/m² self extinguishing polyester 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 range available. Other colours are available at extra cost in 900g/m². Please ask your Enerco contact to discuss this option if required

The simplistic curtain design has strengthening and stability strips to ensure effective protection against cold, heat, dust, noise wind speed, extraction pressures or wind tunnel effects up to 50km/hr. The stability strips also ensure that only the strips roll onto each other thus minimising any potential marking of the curtain vision sections

The standard safety sensor is the Diameter Sensing Controls (DSC) that constantly evaluates the diameter of the barrel to ensure that if the door is interrupted during its closed cycle and the curtain is prevented from uncoiling, the door is automatically stopped and reopened. In addition a photocell is mounted in the column as standard.





The curtain is available as standard with one row of vision sections with each of the sections measuring 300mm high x 850mm wide or 300mm high x 1200mm wide and the number of sections is dependent on the curtain width.

Larger vision sections are available for areas where high levels of natural daylight are required or maximum vision through the door is needed for viewing purposes.

These vision sections can be placed as standard or to suit the surrounding area. In the application shown on the left, the windows were manufactured to correspond with the windows in the partitioning.

Curtain Colours For 1300g/m²

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.



White similar to RAL 9010



Dark Blue similar to RAL 5002



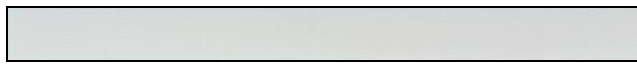
Yellow similar to RAL 1003



Orange similar to RAL 2004



Red similar to RAL 3002



Light Grey similar to RAL 7035

Frame Design

The vertical side guides and head assembly are manufactured from hot galvanised steel and are available in either a powder coated finish to standard RAL colours as detailed above. The side frames incorporate a self-lubricating sliding guide. A canopy can be supplied as an optional item

Door Drive Mechanism and Control Panel

Controls consist of an IP65 rated integrated control panel that safely controls all of the door functions including the failsafe diagnostics required for the door to comply with European Directives 98/37/CE and 89/106 /CE.

The control panel is equipped with a sequential push button, emergency stop push button as well as the isolator on the front cover.

The power supply required to support the door is 240v single phase 16 amp and via the built on inverter drive, the curtain is driven using a 415v 3 Phase heavy duty motor complete with shaft encoder and electrically operated brake. This ensures all aspects of the door are controlled from within the control panel and there is no need to access the motor arrangement.



Safety Features

- Photocell protection (standard)
- Diameter Sensing Controls (DSC) (standard) that constantly evaluates the diameter of the barrel to ensure that if the door is interrupted during its closed cycle and the curtain is prevented from uncoiling the door is automatically stopped (standard on all doors below 3m width or height)
- Safety edge is optional
- Emergency opening handle (standard)
- All safety features are failsafe
- Self repairing curtain if accidentally knocked out

Guide 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.



Fire Exit Route Applications

Where the door is required to be compliant with emergency escape procedures there are three options available.

The first, the door can be supplied with a UPS battery back-up which either automatically opens the door on activation of the alarm or can be manually opened on request.

The second option is to use the optional counterweight which can either automatically open the door in the event of power failure or manually disengaged by pulling the release cord.

The third option is the door can be supplied with a simple, unique pass door which is easily returned to full operation when the emergency has returned to normal. Simply undo the Velcro secured edge and walk through the door. To return to normal operation simply press the two edges back together and the door is back to normal operation.

Remote Controls

The door is supplied with either pull cord or push button activation.

Technical Data

Application	Internal	Yes
	External	No
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 0 Internal Only
Air Permeability	DIN EN12426 – 7	Class 1
Water Tightness	DIN EN12425	Class 3
Door sizes	Width LB max. mm	3500
	Height LH max. mm	3500
Space requirement for fitting	Side room both sides front mounted motor	90mm
	Side room side mounted motor	290mm motor side 90mm non drive side
	Headroom depending on size	450mm
Control Panel Style & Size	FU controls built on to motor	Included
Operating Temperature range	Subject to application	-30°C - +70°C
Door construction	Galvanised steel	Included
	Powder coated RAL choose colour	Optional
Curtain / Door leaf	1300gm Polyester reinforced coloured PVC	Included
Anti crash facility	With soft edge	Included
Guide Material	UHMWPE self lubricating section	Included
Barrel Cover	Galvanised	Optional
Operator and controls	Frequency converter	Included
	Supply voltage	1PHNE
	Open button	Included
	Emergency Stop	Included
	Fuse	16amp slow acting
	Control Panel Material	Plastic
Safety protection	Photocell	Diameter Sensing Photocell
	Timed closing	0 – 200 seconds
	Electronic limits	Included
Emergency Opening	Hand crank	Included
Activators	Photocells	Optional
	Pull cords	Optional
Accessories	Protection barriers / Bollards	Optional

Warranty

The Delta Speed 7000S doors are supplied with a 24 month parts and labour warranty as standard providing the equipment is maintained in accordance with the manufacturer's instruction and not modified in any way whatsoever. Full details of the servicing requirements are available.



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.

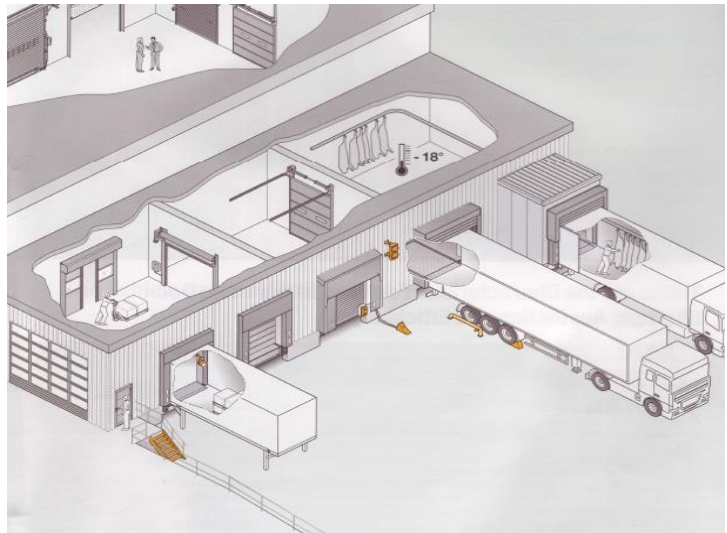
Full details of our preventative maintenance packages are available on request. Enerco recommend the first service is carried out 6 months after installation.

We have Worksafe 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.



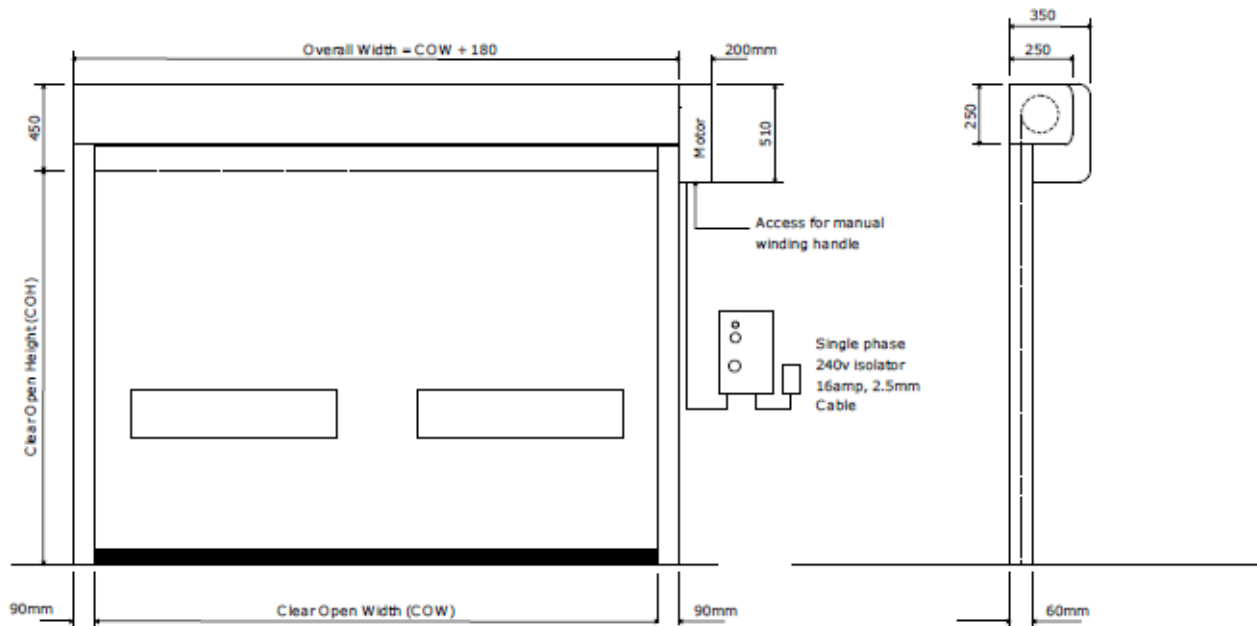
Other products in the Delta range from Enerco include: -

- 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

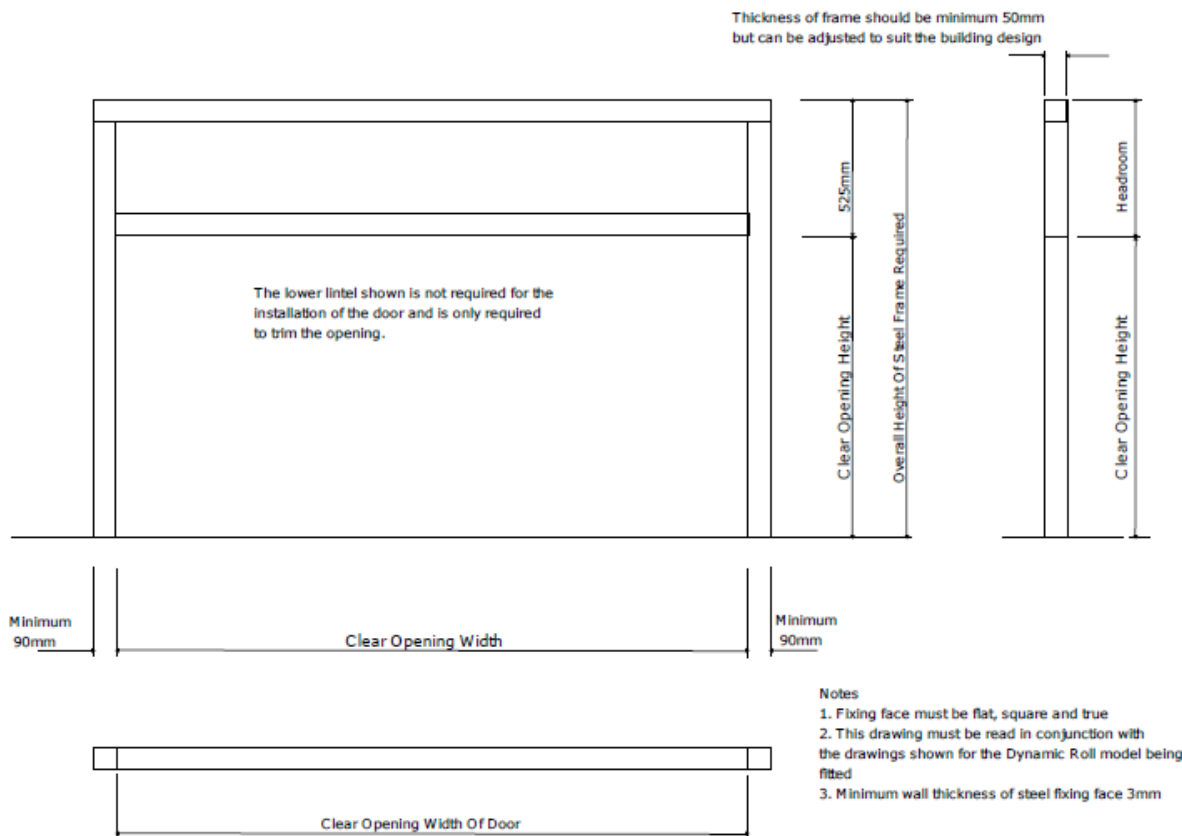


Please contact our sales team for more information on 01525 289322 or a brochure. Alternatively visit our web site www.enerco.co.uk or our dedicated high speed door site www.enercohighspeeddoors.co.uk where you will see our full range of high speed doors as well as a series of videos.

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



General Arrangement Drawing For Delta Speed 7000S



Steel Frame Requirement For Delta Speed 7000S Dynamic Roll High Speed Door