

Delta Speed 6000 Dynamic Roll High Speed Door

Product Data Sheet
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Product Description

The Delta Speed 6000 high-speed door is our most competitive high speed door providing a very simply door for a variety of applications that require proven reliability in standard sizes up to 6.0m wide x 5.0m high.

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 simple wind bar curtain restraint system should the curtain be damaged by impact. Simply recover the damaged bars and insert new and the door is back and running.

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 6000 Roll door has opening and closing speeds of up to 1000mm per second.

The motor, control and safety systems and the optional modular counterweight balancing system 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 or external 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
- Fire escape routes
- Car wash areas

Curtain Design

The curtain is made from a class 2, 900g/m² self extinguishing polyester fabric coated with colour impregnated PVC and is available in a range of 6 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 bars integral to the curtain to ensure the door withstands the class 1 wind load resistance providing effective protection against cold, heat, dust and noise.

The bottom profile is complete with a fail-safe conductive wireless leading edge 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. Alternatively the door can be supplied with a full width window which is easily interchangeable using aluminium wind bars with slots into which the dowelled edge of the vision sections and curtain slide.



Frame Design

The vertical side guides and head assembly are manufactured from hot galvanised steel. The side frames incorporate the counterbalance where applicable and the brush seals.

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 415v three phase 16 amp and is required to be fed via a 2.5mm² cable and protected with a 'C' type circuit breaker. Power is transferred via the contactors to the 415v 3 Phase heavy duty motor complete with built on limit box complete with cams.

In the event of power failure the door can either be manually wound open by the crank handle supplied which is inserted into the underside of the motor. Alternatively if the door is fitted with the counterbalance, the door will either automatically open as soon as the power is removed or can be opened by pulling the release cable.

The control panel also houses the various activation and safety connections, including mounting the loop controller or radio control receivers.

Safety Features

- Photocell protection (standard)
- Electric safety edge standard on all doors.
- Emergency opening handle (standard)
- All safety features are failsafe

Remote Controls

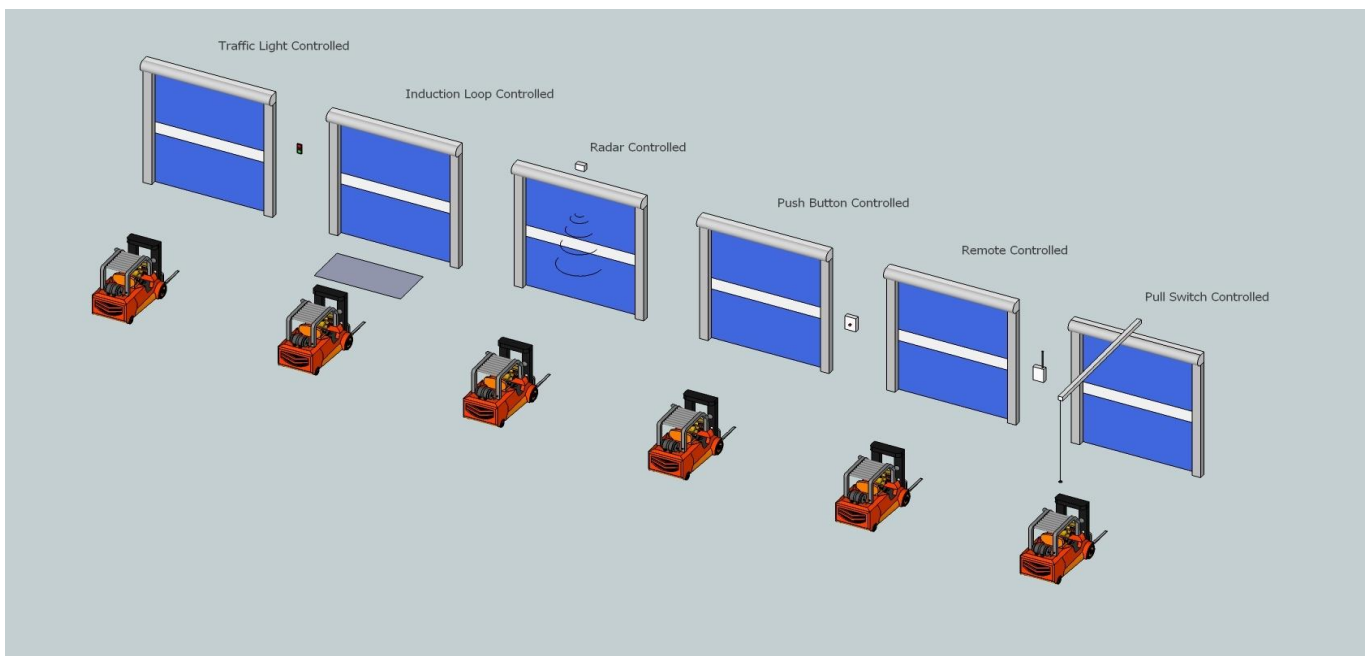
The door can be supplied with additional remote controls. These fall into two categories, activation and safety. When wired to activate, they will open the door from its closed position, stop the door from closing when open and stop / reverse the door when closing.

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

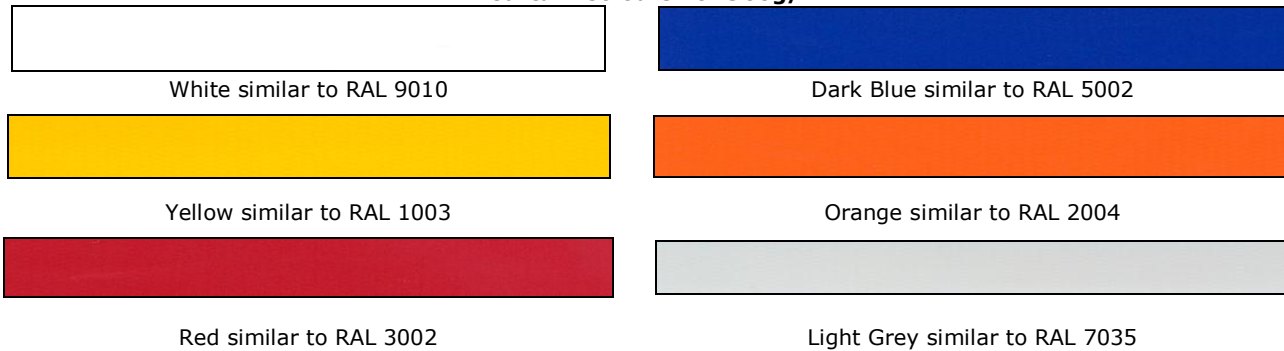
Remote controls include those shown below (left to right) interlocked and traffic light controlled, induction loops, radar (motion and presence sensor), push buttons, radio / infra red controls or pull switch operation.

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.



Curtain Colours For 900g/m²



Additional colours are available in 900g/m² material at extra cost. 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.

Fire Exit Route Applications

Where the door is required to be compliant with emergency escape procedures there are two options available. Both options involve the door being fitted with the counterbalance counterweight which can either automatically open the door in the event of power failure or manually disengaged by pulling the release cord.

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	Up to 3m x 3m Over 3m x 3m
		Class 2 (90km/h) Class 1 (70km/h)
Water Tightness	DIN EN12425	Class 3
Door sizes	Width LB max. mm	6000
	Height LH max. mm	5000
Space requirement for fitting	Side room both sides front mounted motor	200mm
	Side room side mounted motor (subject to width)	350/400mm motor side 150/200mm non drive side
Control Panel Style & Size	Headroom depending on size	500mm
Operating Temperature range	Controls in steel casing (W x H x D)mm	300 x 400 x 150
Door construction	Subject to application	-30°C - +70°C
Curtain / Door leaf	Self supporting	Included
Guide Material	900gm Polyester reinforced coloured PVC	Included
Barrel Cover	Galvanised steel	Included
Operator and controls	Standard	Optional
	Contactors Controls	Included
	Supply voltage	3PHNE
	Open button	Included
	Emergency Stop	Included
	Fuse	16amp slow acting
	Protection category	IP55 standard
	Safety protection	Included
	Pre-coated steel casing	Included
	Photocell	Included
	Wireless safety edge	Included
	Timed closing	0 - 200 seconds
Emergency Opening	Cam limits	Included
	Hand crank	Included
Activators	Counterweight	Optional
	Induction loop	Optional
	Photocells	Optional
	Pull cords	Optional
	Radar	Optional
	Radio control	Optional
Accessories	Proximity Sensor	Optional
	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

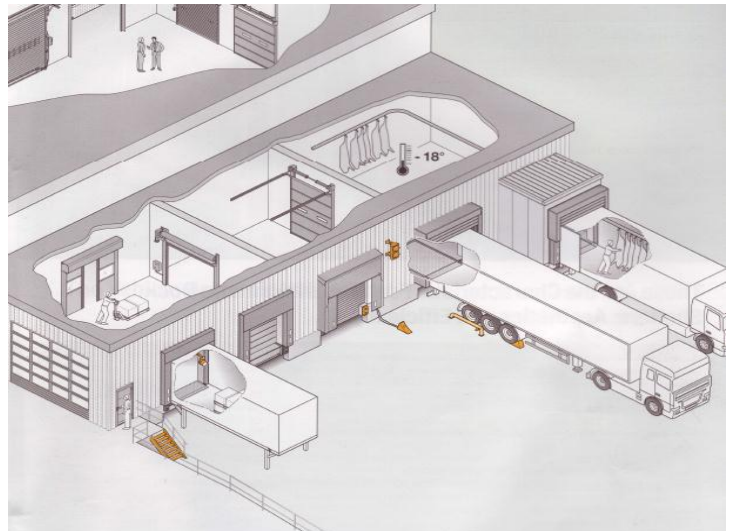
To help protect your investment and extend the effective working life of the equipment, full maintenance packages are available and, in most cases, we can maintain all of your existing doors and loading bay equipment. The door must be serviced at least once per annum or every 100,000 cycles whichever 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.



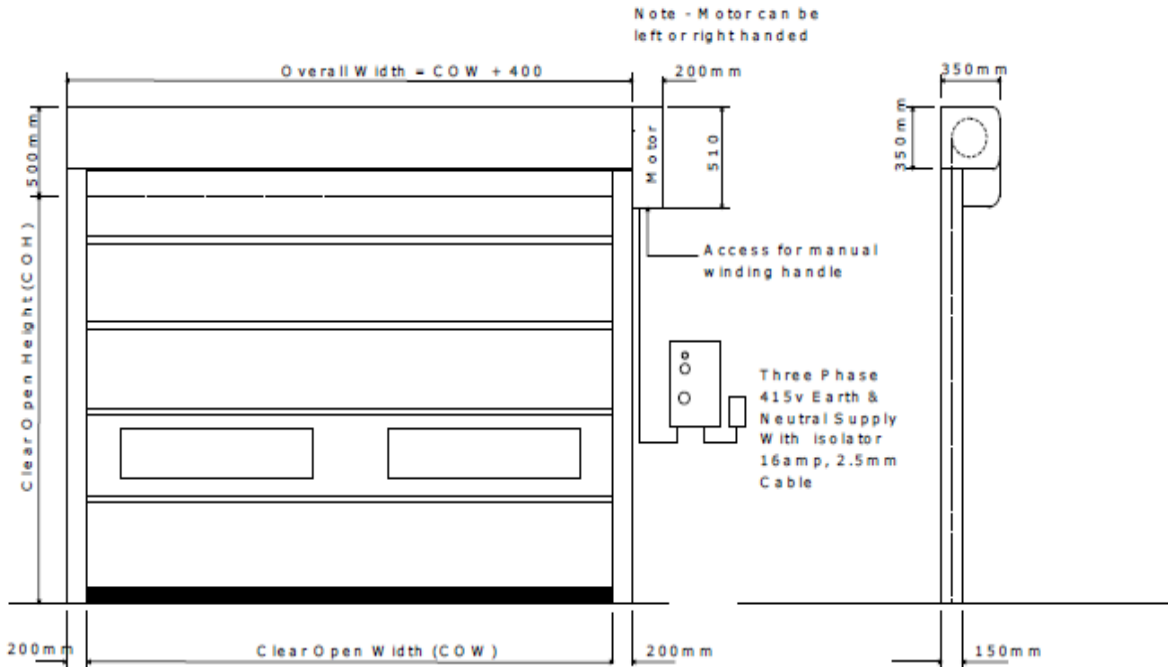
Other products in the Delta range from Enerco include:

- 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

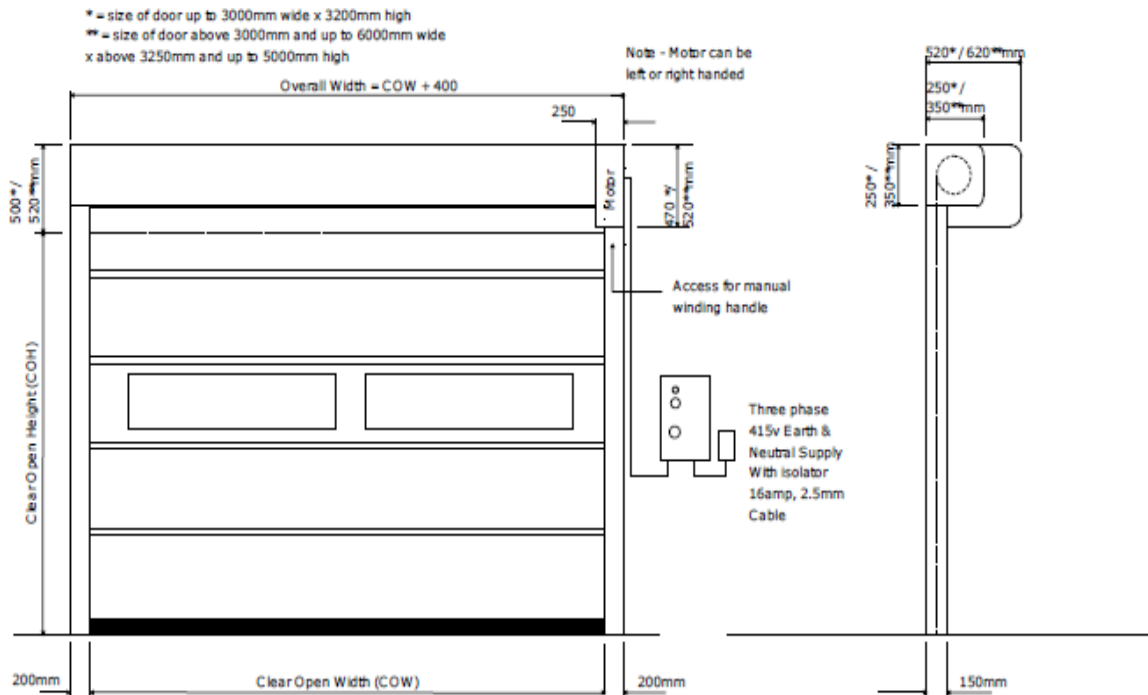


Please contact our sales team for more information on 01525 289322 or a brochure. Alternatively visit our web site www.enerco.co.uk or our dedicated high speed door web site www.enercohighspeeddoors.co.uk .

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



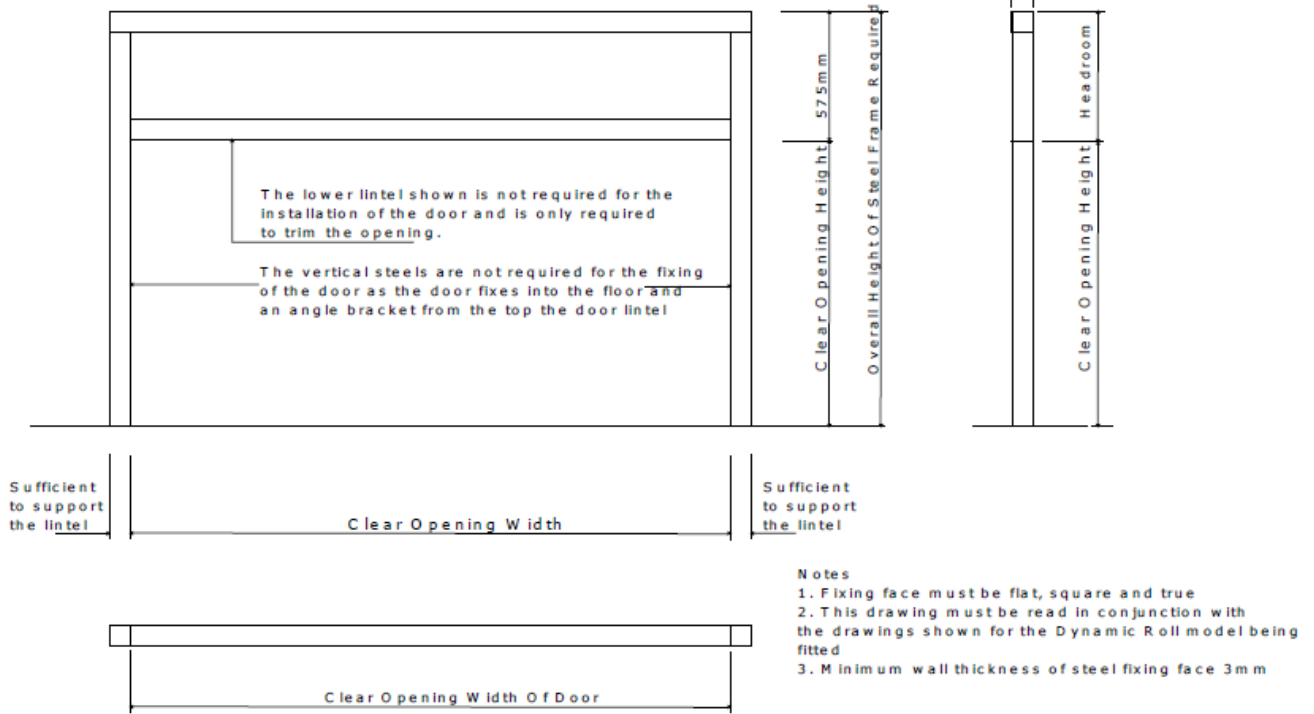
Details Of Delta Roll 6000 With Side Mounted Motor



Details Of Delta Roll 6000 With Front Mounted Motor



Thickness of frame should be minimum 50mm but can be adjusted to suit the building design



Steel Frame Requirement For Delta Speed 6000