



## Delta Speed 5000 Combi High Speed/ Insulated Security Combination Door

Product Data Sheet  
3 / 15

### Product Description

The Delta Speed 5000 Combi high speed security insulation combination door uses the latest technology to provide a very simplistic high speed door for a variety of applications that require proven reliability in standard sizes up to 8m wide x 6m 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 singular column arrangement which incorporates both the special innovative self repairing system of the fabric high speed element as well as the guide for the insulated security lath

By combining these two important features means that the fabric curtain is used for the day to day operation of the door whilst having the security insulated curtain to maintain the security and temperature of your premises.

Should the fabric 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 reduce noise by 20dB. In addition to this, they help to improve security and the working environment.



The Delta Speed 5000 Combi uses our Model 7000 Dynamic Roll technology in combination with an insulated security curtain and has opening speeds of up to 2000mm per second and variable closing speeds depending on the controls chosen.

A UPS battery back-up system is available to open the high speed door curtain in the event of power failure. The roller shutter element is provided with a manual hand chain override.

### 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
- Ideal for windy application
- Cold store areas
- Car wash areas
- Where minimal space is available

### Curtain Design

The fabric curtain is made from a class 2, 1300g/m<sup>2</sup> self extinguishing polyester fabric coated with colour impregnated PVC and is available in a range of standard colours. Please see page 3 of this product data sheet for the range available. The outer security lath sections are twin skinned, 0.4mm thick, galvanised steel, profiled sections with high density PU infill, that can be powder coated if required. Please ask your Enerco contact to discuss this option if required

The simplistic fabric curtain design has strengthening and stability strips to ensure effective protection against cold, heat, dust, noise, and high resistance to wind pressures subject to size of the door. These strips also ensure that only the strips roll onto each other thus minimising any potential marking of the curtain vision sections



The bottom profile of the high speed curtain is complete with a fail-safe conductive wireless leading edge as standard on doors over 3500mm width. For smaller doors the standard is an integral photocell in the head of the door that monitors the size of the roll 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.

The fabric curtain is available as standard with two 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.

The outer curtain is manufactured from 93mm profiled insulated lath sections that have been thermally assessed to provide an insulation value of 2.2 W/m<sup>2</sup>k.

#### 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 on page 3. The side frames incorporate a self lubricating sliding guide that is sprung loaded to assist with the wind load and ensure the curtain is taught.

#### 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.

Each element of the door is controlled separately by its own control panel and therefore a three phase 415v, earth and neutral supply, is required for the insulated roller shutter and a single phase 240v is required for the high speed door. Both supplies need to be 16amp and fed using 2.5mm<sup>2</sup> cables. The control panel is equipped with a sequential push button, emergency stop push button as well as the isolator on the front cover.

The inverter drive for the curtain and contactor based drive for the insulated curtain operator the 415v 3 Phase heavy duty motors complete with shaft encoder or mechanical limits and electrically operated brake.

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

A UPS battery back is available to open and close the high speed door curtain in the event of power failure.



#### Safety Features

- Photocell protection (standard on the high speed curtain, dead man operation for the insulated curtain)
- Electric safety edge (standard on all doors over 3500mm width and optional below these dimensions subject to application and our engineer's recommendations).
- 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 (standard on all doors below 3500mm width)
- Emergency opening handle (standard on the high speed curtain motor and hand chain override on the insulated curtain motor)
- All safety features are failsafe
- Self repairing curtain if accidentally knocked out

**Remote Controls**

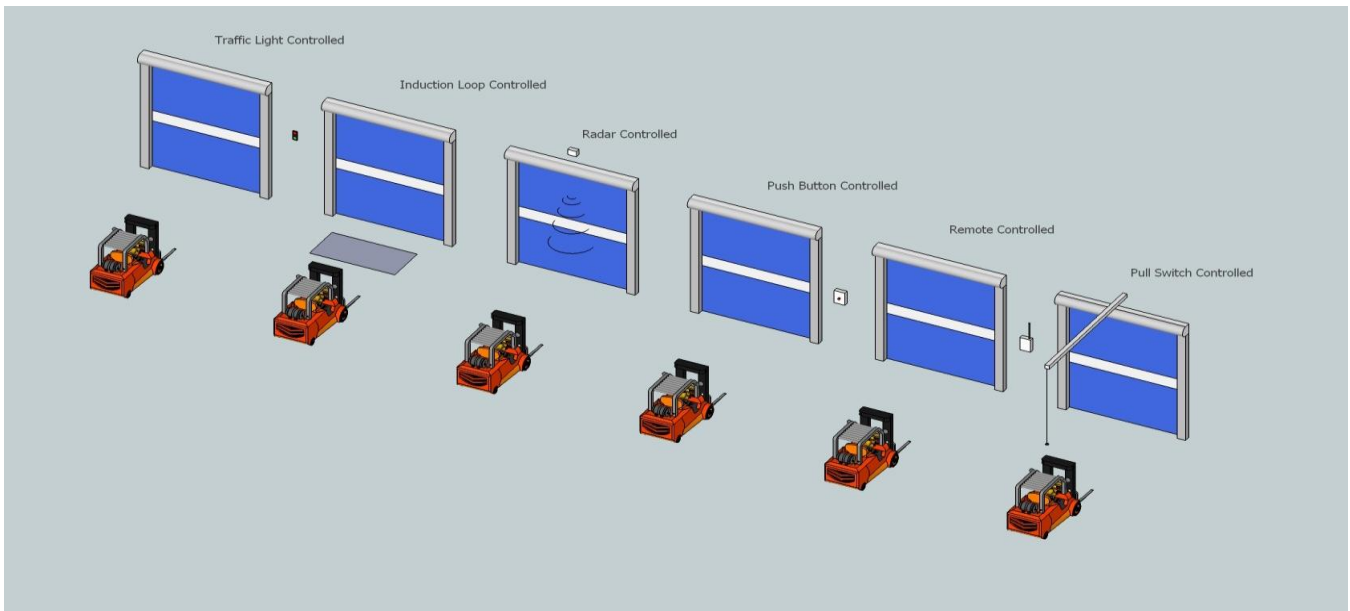
The door can be supplied with additional remote controls. These fall into two categories, activation and safety. When wired to activate, they will open the door from its closed position, stop the door from closing when open and stop / reverse the door when closing.

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

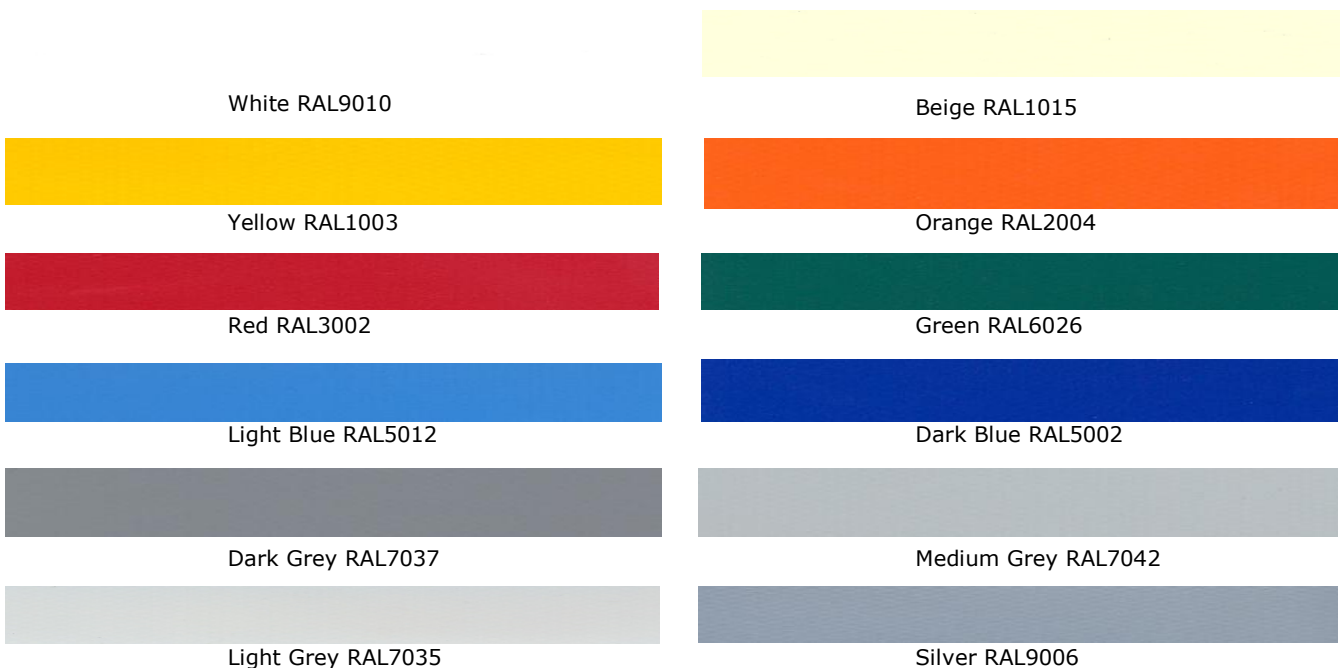
Remote controls include those shown below (left to right) interlocked and traffic light controlled, induction loops, radar (motion and presence sensor), push buttons, radio / infra red controls or pull switch operation.

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 1300g/m<sup>2</sup>**



Additional colours are available in 900g/m<sup>2</sup> material including Green RAL6028, Beige RAL1015, White Aluminium RAL9006, Brown RAL9014, Gentian Blue RAL5010, Yellow Green RAL6018 or Jet Black RAL9005

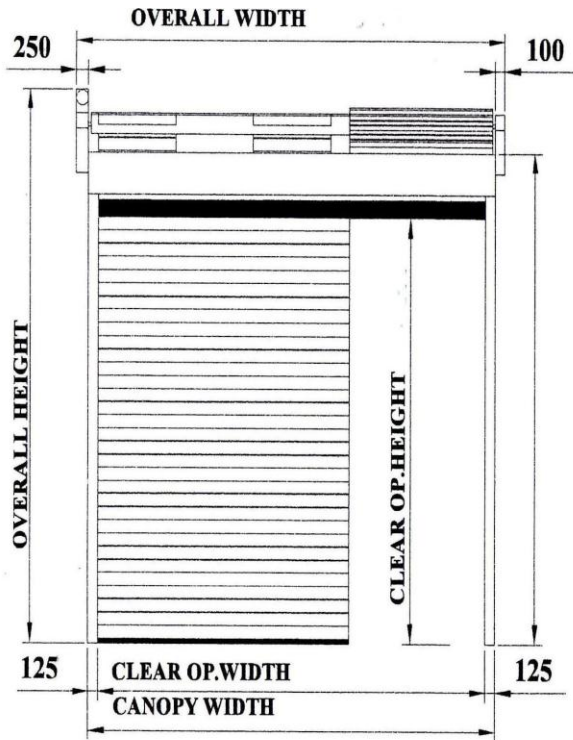
At special request your company's logo could be applied to the curtain to advertise your product, brand or company name. Special instructions "no pedestrian access" or "Restricted Area" can also be added to suit your particular requirements.

### Guide and Canopy Colours

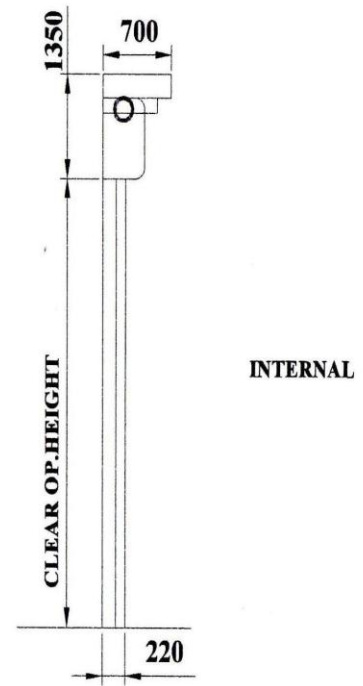
As standard the guides are supplied galvanised. In addition the doors can be customised with powder coated finishes in White RAL 9010, Red RAL 3002, Dark Blue RAL5002, Grey RAL7038, Black RAL9005 and Green RAL6026.

### Technical Data

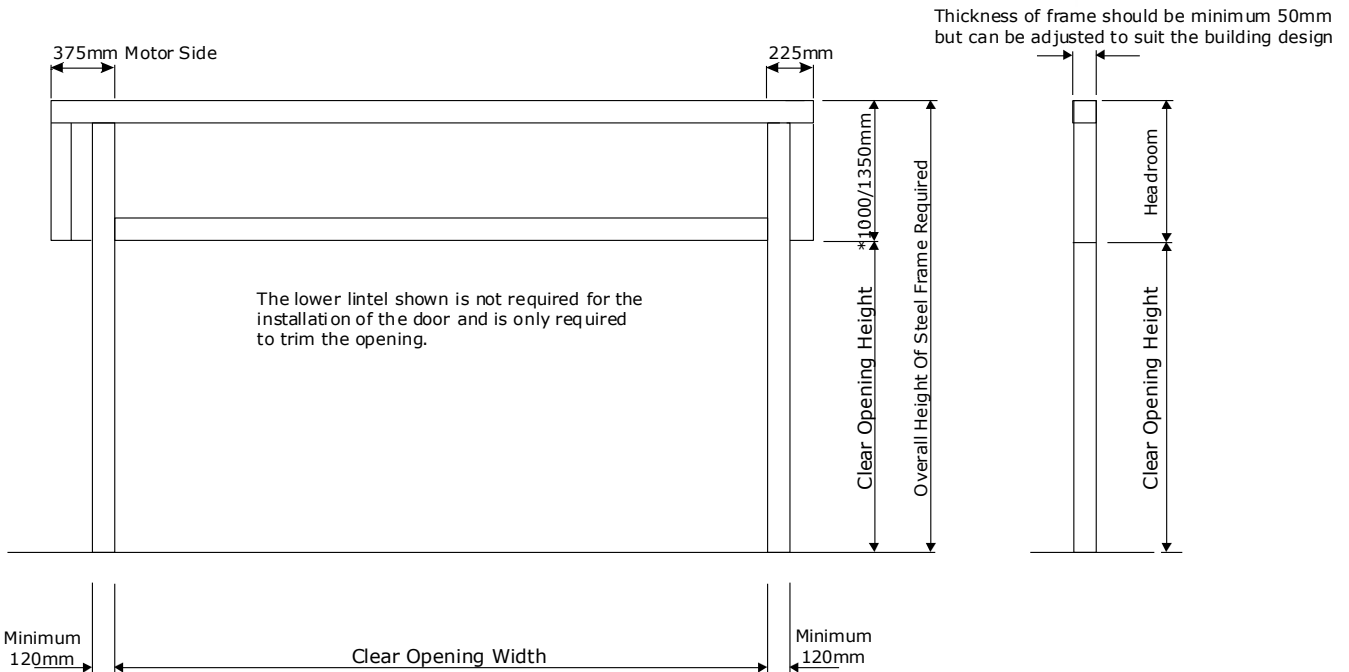
Application	Internal	Yes
	External	Yes
Speed	Maximum opening speed	2.0m/s
	Closing speed variable	0.5m/s
CE Marked	Manufacturers Declaration Of Conformity	Compliant
Mechanical compliance	BS EN12604	Compliant
Safe Use Of Power Operated Doors	BS EN12453	Compliant
Safety equipment	DIN EN13241 – 1	Compliant
Resistance against wind pressure	DIN EN12424	Up to 4m x 4m Class 3 (110km/h) fabric Class 4 (140km/h) steel
		Over 4m x 4m Class 2 (90km/h) fabric Class 4 (140km/h) steel
Water Tightness	DIN EN12425	Class 3
Door sizes	Width LB max. mm	8000
	Height LH max. mm	6000
Space requirement for fitting	Side room	375mm motor side 225mm non drive side
	Headroom depending on size	Up to 3500mm Above 3500mm
Control Panel Style & Size	Controls in steel and plastic casing (W x H x D)mm	1000mm 1350mm
Operating Temperature range	Subject to application	300 x 400 x 150
Curtain / Door leaf	1300gm Polyester reinforced coloured PVC	-30°C - +70°C
Anti crash facility	With soft edge	Included
Guide Material	Galvanised steel	Included
	Powder coated RAL choose colour	Included
Barrel Cover	High speed curtain, N/A for roller shutter	Optional
Operator and controls	Frequency converter	Standard
	Supply voltage	Included
	Open button	3PHNE & 1PHNE
	Emergency Stop	Included
	Fuse	Included
	Protection category	16amp slow acting
		Pre-coated steel casing IP55 standard
		Stainless steel casing IP65 optional
	Safety protection	Photocell Included
		Light grid Optional
		Wireless safety edge Inc above 3500mm wide
		Diameter Sensor Inc below 3500mm wide
	Timed closing	0 – 200 seconds
Emergency Opening	Electronic limits	Included
	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



EXTERNAL



INTERNAL



**Notes**

1. Fixing face must be flat, square and true
2. This drawing must be read in conjunction with the drawings shown for the Delta Speed Komby model being fitted
3. Minimum wall thickness of steel fixing face 3mm

Steel Frame Requirement For Delta Speed 5000 Combi High Speed Roller / Security Combination Door

### 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.

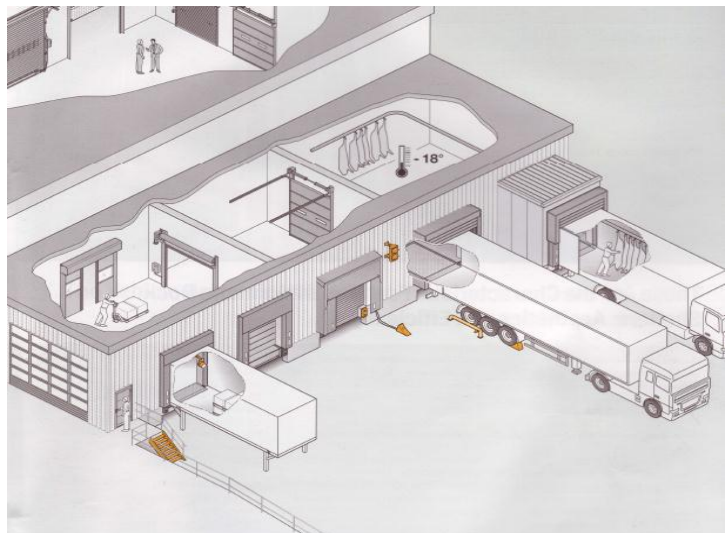
### Servicing

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 SMAS, 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](http://www.enerco.co.uk) or our dedicated high speed door site [www.enercohighspeeddoors.co.uk](http://www.enercohighspeeddoors.co.uk) .

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

