

Delta Insudoor 1000 Insulated Roller Shutter Door

Product Data Sheet 6 / 1

General Description

The Delta Insudoor 1000 Insulated Roller Shutter is designed and manufactured in Britain for industrial and commercial applications where a high degree of security and insulation are required.

Electrically operated, the door is supplied as standard with a galvanised finish with an optional wide range of finishes available to suit aesthetics within new and existing buildings. Maximum sizes of door available 7000mm clear width x 6000mm clear height i.e. 42 square metres.

Curtain

Constructed from pre-galvanised material with Ecotech formula with CFC free foam injected into the 94mm multi ribbed twin walled lath section to provide a thermal performance that minimises energy waste, both with heat 'flow through' and round the curtain. The thermal qualities produced by this highly effective foam means that 25mm of Ecotech foam insulation is equivalent of 40mm conventional polystyrene insulation. The 94mm lath sections can be individually replaced in the event of collision damage and due to the curtains flexible design, the door will continue to operate even after minor damage.

The curtain when assembled is held in position with purposely-designed injection moulded end fittings, manufactured from hardwearing nylon. The interior and exterior finish in either galvanised steel or Decotherm ribbed profile to RAL 9002. The bottom of the curtain incorporates a yellow seal retainer and rubber weather seal.



Barrel

The barrel is manufactured from seamless mild steel tube from BS4760 grade 50c steel of a suitable gauge to suit the door width and height. The maximum barrel deflection is calculated to be 1:400. The barrel is terminated at either end with precision-machined bright drawn mild steel axles manufactured from mild steel to BS970 EN33. The axles are supported between the two end plates by a pair of sealed flange mounted bearings. There are no springs or chains used and therefore the unit is virtually maintenance free.

Vertical Side Guides.

The guides are cold formed from pre-galvanised material having a minimum thickness of 2.5mm. The leading edge incorporates twin vertical brush strips on both the inner and outer faces of the guide. Brush carrier is constructed from PVC of medium impact strength and these run the full height of the door.

Barrel Canopy

An optional full width canopy is available and manufactured from galvanised steel of suitable gauge to support weight of canopy over full width of doors. Plastisol finishes are also available to suit aesthetic requirements.

Electric Operation

The door is powered by a three phase 415 / 380v safe drive motor with fail safe gearbox mounted directly onto the axle of the barrel. The up, stop, & down IP54 rated controls operate the doors directional movements. A 415 / 380v, 50hz, 3 phase Earth and Neutral supply fused at 16 amps is to be positioned within 1 metre of the opening and 1500mm from floor level unless otherwise instructed. The motor and gearbox comply with all current European Safety Standards. This drive arrangement is virtually maintenance free and conforms to EN safety standards. Hand chain operation is supplied for manual operation in the event of power failure. The motor can be mounted to the left or right hand side



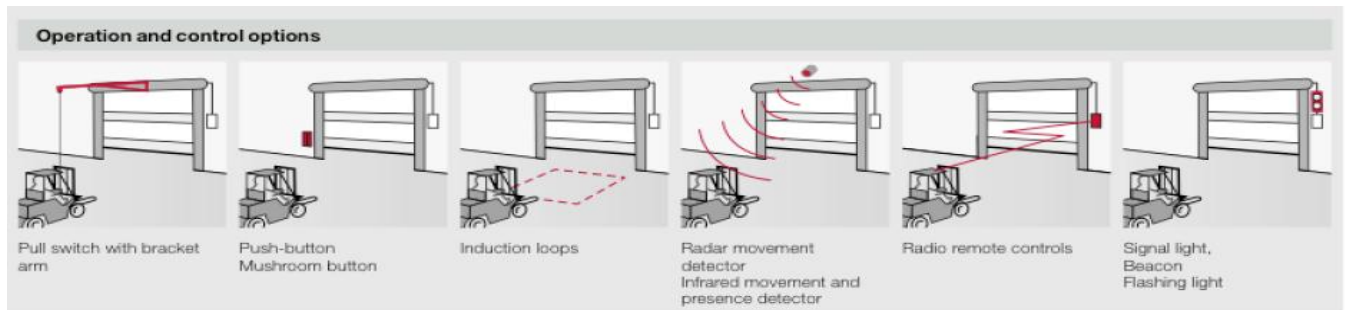
Optional Extras

A safety bottom edge is available to stop the door in the event of vertical contact. This is usually only required if the door is single pulse push button or timed close operation. Standard doors are supplied with "deadman", hold to close push buttons. Photocell protection is also recommended when timed or push to run operation is required. Bollards are also recommended for the protection of the side column, either 100mm or 168mm diameter.

Remote Controls

The door can be supplied with additional remote controls. These fall into two categories, activation and safety. When wired to activate 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 induction loops, photocells, radar, push buttons / pull switch operation or radio / infrared controls.



Technical Information Certification

CE Mark

Type Of Approval

Mechanical Aspects

Side Guide Protection

Protection

Electrical Safety

Water Tightness EN12489:2000

Resistance to Wind Load EN12444:2001

Thermal Resistance

Air Permeability EN12427:2000

Opto Safety Edge Self Monitoring

Closing Forces

Anti Fall Back Device

Installation Instruction

Durability Of Mechanical Performance

Insulation Value

Acoustic Value

Door Weight For Loading Purposes

Declaration of conformity

Chiltern Dynamics – UKAS approved test laboratory

EN12604, Safety in use of power operated doors

EN12604: 2000 4.5.1 and EN12453: 2000 5.1.1.3

Against crushing, shearing or drawing in

Depending on the use

Class 1 (to BSEN12425:2000 15 minutes water spray at 55Pa)

Class 5 (to BSEN12424:2000 simulation of 1000Pa wind load on 8000mm span)

EN12428

Class 0 (to BSEN12426:2000 >24 m³/m²/hr)

EN12453 – 5.1.1.5

Auto Close Only EN12453 – 5.1.1.5

EN12453 – 5.1.1.5

EN12635: 2002 4.1.1.1

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Insulation value 1.21W/ (M²k) as standard with 0.69W/ (M²k)

Noise insulation value 18 D.B.A.

36kgs per square metre

Warranty

The Delta Insudoor's 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 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.

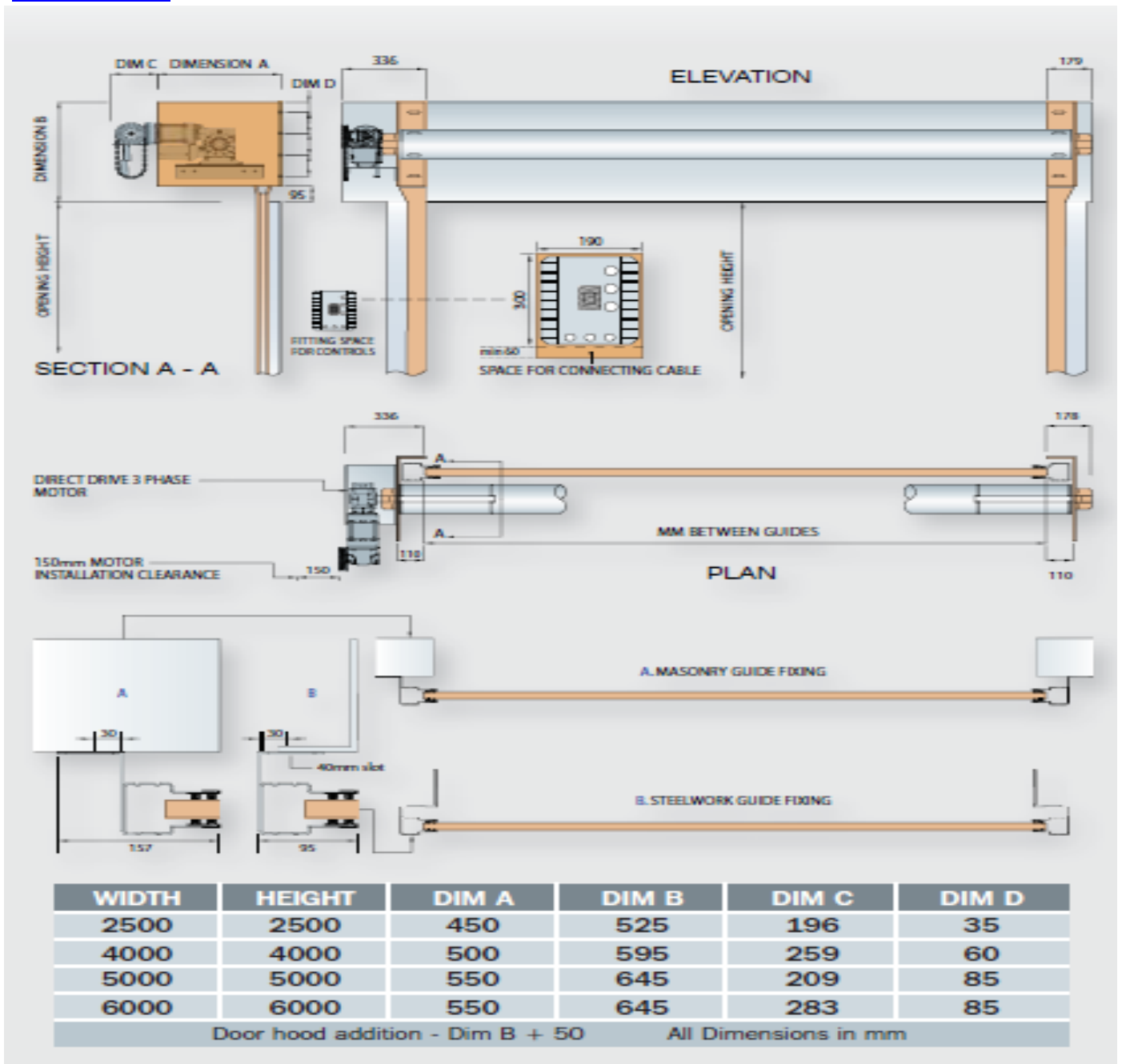


Other products in the Delta range from Enerco include: -

- Delta Guard – Commercial Shutters
- Delta Check – Fire Roller Shutter
- Delta Slide – Insulated Overhead Doors
- Delta Part – High Speed Bi – Parting Doors
- Delta Steel – Steel Security Door Sets
- Delta Level – Dock Levellers
- Delta Seal – Dock Sealing Systems
- Delta Speed – High Speed Doors
- Delta Service – Service and Repairs
- Delta Glide – Garage Doors
- Delta Glaze – Aluminium Glazed Window and Door Systems

- Delta Roll – Steel Roller Shutter Doors
- Delta Secure – High Speed Security Doors
- Delta Crash – Rubber, Polyurethane & PVC Swing Doors
- Delta Strip – Strip Curtains
- Delta Fold – Steel Sliding Folding Shutters
- Delta Lift – Scissor Lifts
- Delta Shield – Perimeter Security
- Delta Grille – Retractable Window Grilles
- Delta Load – Loading Bay Accessories
- Delta Bar – Fixed & Removable Security Window Bars

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 specification of the product or product data sheet without prior notification.