

Delta Speed 8500 External High Speed Door

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Product Description

The Delta Speed 8500 high-speed door is one of our range of fast action doors, offering proven reliability for almost any application up to 11.0m wide x 7.0m 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 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 atmosphere.

The motor, control and safety systems and the 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 external door where goods are despatched and received on a regular basis.
- As a partition between two areas
- In busy traffic doorways
- Maximise pest / vermin control
- Enhance the aesthetic appearance
- Ideal for windy applications

Curtain Design

The curtain is made from a class 2 self extinguishing polyester fabric coated with colour impregnated PVC and is available in a range of standard colours.

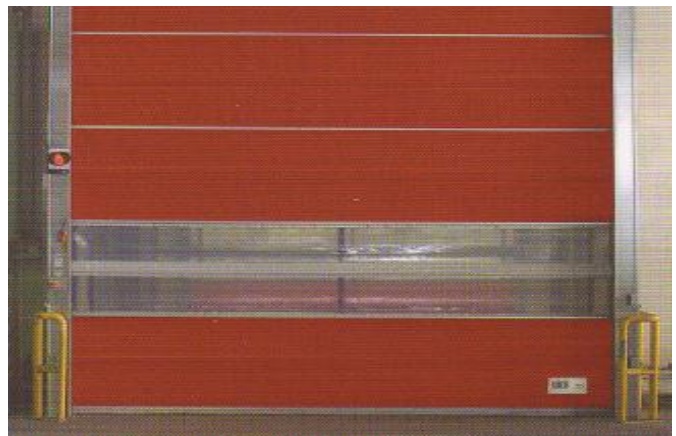
It ensures effective protection against cold, heat, dust, noise, and high resistance to wind pressures up to 90km/h for the standard version and 120km/h for the heavy duty model.

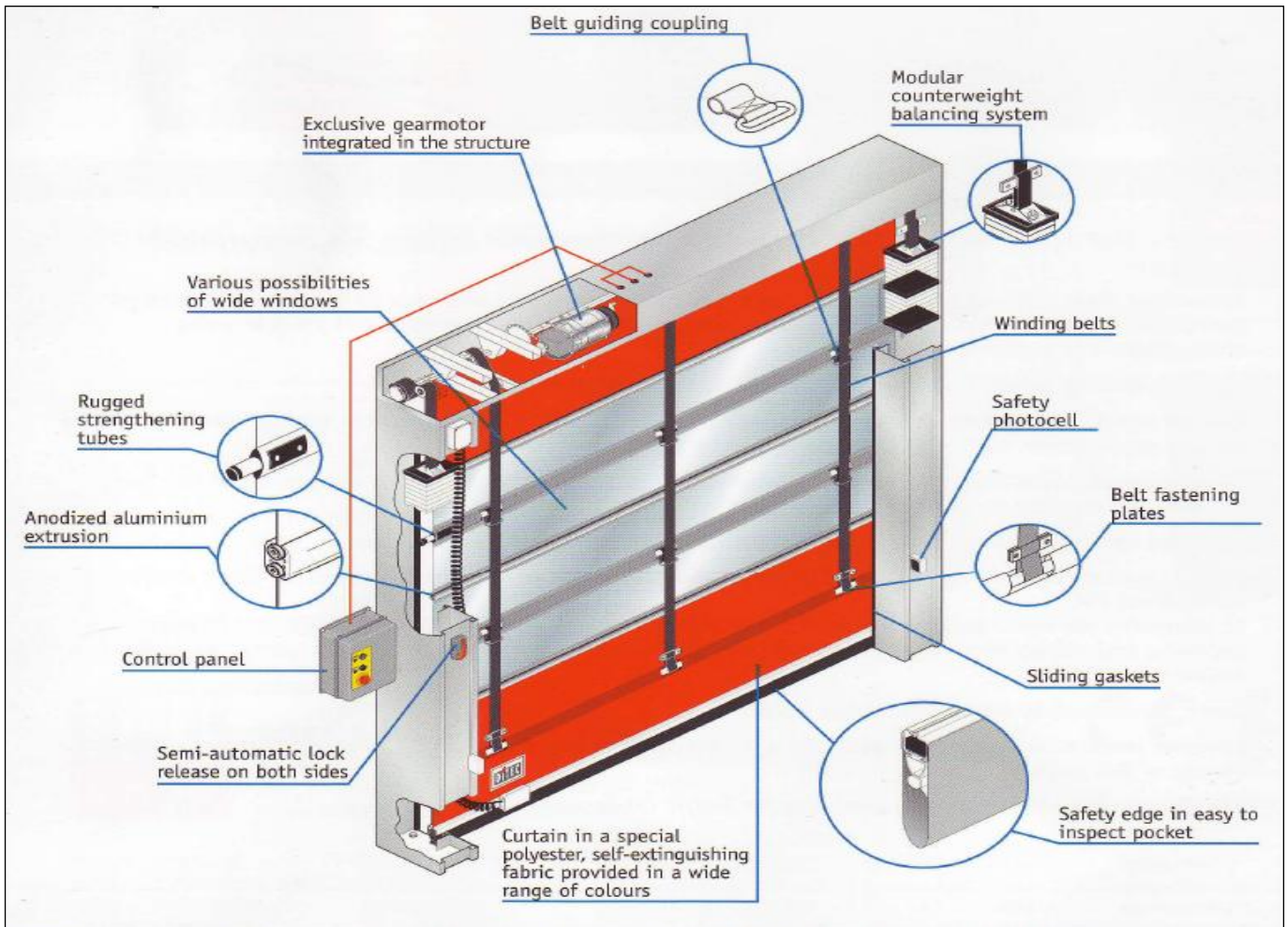
The bottom profile complete with opto electronic sensor ensures that the door closes safely.

The Heavy duty model is used for extremely large opening in excess of 4500mm wide. It features a mono-block curtain and transparent vision panels for visibility

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





Available curtain colours		
Red	Blue	Orange
Grey	Yellow	Green
Cream	White	Light Blue

Door Drive Mechanism and Control Panel

Controls consist of an integrated control panel that control all of the door functions including the failsafe diagnostics required for the photocell and safety edge. Further benefits include as standard interlock capability, induction loop cross traffic detection and many others. The control panel is equipped with up and stop push buttons.

Safety Features

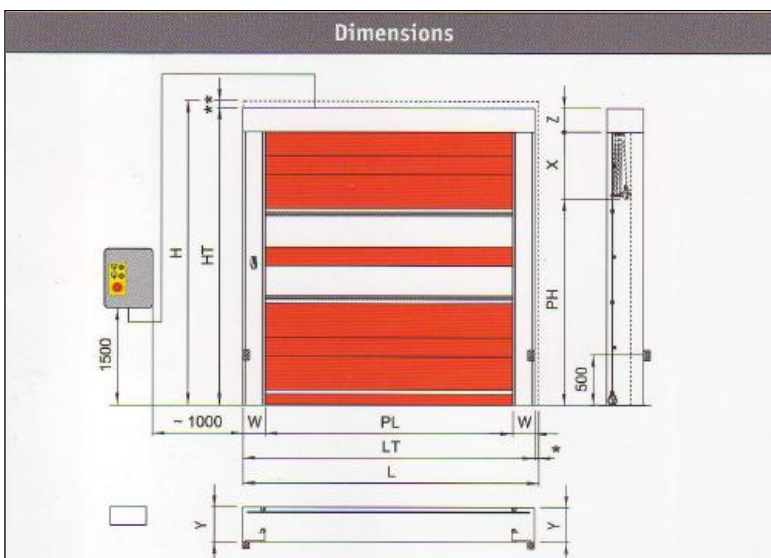
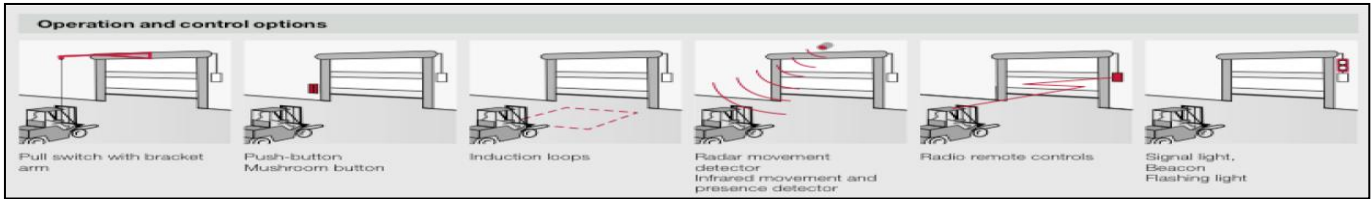
- Photocell protection (standard)
- Electric safety edge (standard).
- Emergency opening lever
- All safety features are failsafe

Opening and closing speed (mt/sec)
<p>≤ 4500 x H 4500</p> <p>1.0</p>
<p>> 4500 x H 4500</p> <p>0.7</p>

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 induction loops, photocells, radar, push buttons / pull switch operation or radio / infrared controls.



Standard Duty

Heavy Duty Model

PH	≤4500	≤5500
W	170	170
Y	280	280
Z	190	190
X	700	750

	≤4500	≤6000	7000
W	220	220	220
Y	380	380	380
Z	200	200	200
X	600	750	850

Specification summary

Traffic – high-speed fold-up door with modular interchangeable sections and counterweights consists in:

Galvanized steel, self-supporting, solid metal structure, integrated and easy to inspect, with built-in gearmotor – brake – limit switches – lock release, all in one single and exclusive module using three-phase 400 V power supply.

Opening/closing speed 1 mt/sec (0.7 mt/sec up to PL 4500 mm).

Control panel, with microprocessor technology, self-test function and adjustable timing; opening/closing control push-button station with emergency stop button.

Semi-automatic lock release with safety function for fast and easy emergency re-opening of the door through the modular counterweight balancing system.

Infra-red safety photocells fitted with special outside galvanized metal housing.

Flexible curtain with all-width interchangeable modular sections in a special polyester fabric and/or transparent PVC.

It alternates all-width anodized-aluminium extrusion profiles, containing interchangeable flexible sections, and strong wind resistant galvanized-steel tubular structures, inserted in special all-width pockets.

Quick reverse safety edge with rubber ledge.

Optional versions in satin finish AISI 304 stainless steel or baked-on epoxide powder coating provided in a variety of RAL colours.

The flexible monobloc curtain is used only for Traffic CM version.

Technical Specification

Standard

Heavy Duty

Max. clear way	6000 x H5500 mm	11000 x H7000 mm
Min. clear way	1000 x H1500 mm	1500 x H2710 mm
Standard power supply	400 V, 50/60 Hz	400 V, 50/60 Hz
Current	4 A	6 A*
Accessories power supply	24V DC	24V DC
Number of gearmotors	1	1*
Power	0.9 kW	1.5 kW
Self-test control panel	external	external
Opening/closing/emergency stop button station	///	///
Partial opening	///	///
Control panel protection degree	IP 55	IP 55
Opening/closing speed	up to 4500 x H4500: 1.0 mt/sec over 4500 x H4500: 0.7 mt/sec	0.7 mt/sec
Blind sections fabric	polyester	polyester
Weight	650 gr/square mt	650 gr/square mt
Indicatory thickness	0.6 mm	0.6 mm
Self-extinguishing rate	class 2	class 2
Transparent window panels fabric	PVC	PVC
Thickness	2 mm	1 mm
Self-extinguishing rate	DIN 4102	DIN 4102
Balancing	modular counterweights	modular counterweights
Tensioning	gravitational	gravitational
Wind resistance	see charts	see charts
Operation temperature	-5 / +50°C	-5 / +50°C
Emergency re-opening	semi-automatic	semi-automatic
* When doors have PL over 7000mm and PH over 4500 mm two gearmotors are applied, consequent current and power are 9 A and 3kW		

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