Dynamicroll

Dynamicroll High-speed doors are self-repairing, meaning that if the door curtain comes out of their guides (for example, in the event of impact with a forklift) the system will automatically reset the curtain back into the guide on the next close cycle.

Dynamicroll columns are made from galvanized steel, or can be custom-ordered in stainless steel and painted various RAL colours. Modular construction allows easy interchange of door parts.

At the heart of the Dynamicroll door design is our innovative curtain edge that firmly holds the curtain into the side guides. If impacted, the curtain will release from the side guide and automatically reset on the next door cycle. Because there are no metal parts within the curtain design, damage is kept to a minimum.

Features & Benefits

- Self-repairing
- Motor with inverter controls allowing operating speeds up to 2.5 m/s
- Oil-free guides allow doors to withstand wind loads of up to 120 km/h (depending on door size)
- Minimal maintenance
- Quiet operation
- Soft-touch bottom edge/bottom rail
- Resistive wireless safety edge
- Low level column mounted photocells

Colours Options

1300gr/m² Colours

RAL 9010	RAL 1015	RAL 1003	RAL 2004	RAL 3002	RAL 5012
RAL 5002	RAL 6026	RAL 7035	RAL 7037	RAL 7042	

Insulated Cloth 3mm Colours

Green	Blue	Grey	White

FDA Approved Cloth 1700gr/m² Colours

White

Standard Frame Colours

RAL 9010	RAL 3000	RAL 5010	RAL 6005	RAL 7037

Technical and Operating Specifications

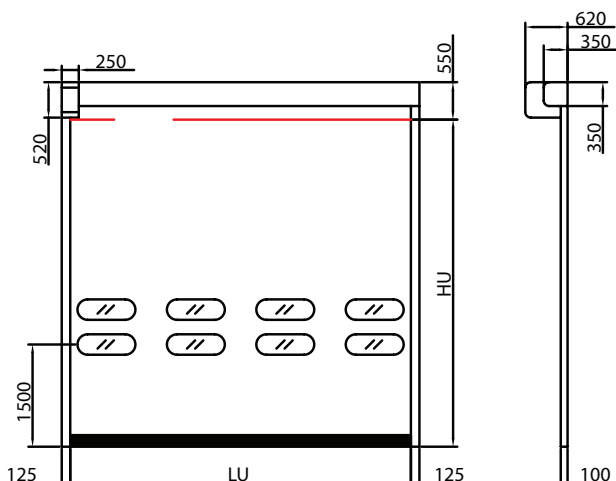|		
Application	Internal	Standard
	External	Standard
Speed	Maximum Opening Speed	2.5 m/s
	Maximum Closing Speed	0.8 m/s
Door Sizes	Maximum Width	8000mm
	Maximum Height	8000mm
Space Requirements for Fitting	Front Mount Motor	125mm
	Side Mount Motor, Motor Side	375mm
	Non Motor Side	125mm
	Head Room Depending on size	450mm / 550mm
Wind Class	3000 x 3000	Class 4
	4000 x 4000	Class 3
	5000 x 5000	Class 2
Curtain Weight	1300g/m²	Standard
Curtain Colours	As per Options	12 Colour Options as Standard
Control Panel	Inverter controls in a Steel case	Standard
Control Panel Dimensions	300w x 400h x 150d	Standard
Operating Temperature	-30°C - +70°C	Heating Kits Optional Extra
Door Frame Construction	Galvanised Steel	Standard
Guide Material	Self Lubricating Polyethylene	Standard
Power Supply	Single Phase and Earth 240/415v	16 Amp slow acting fuse (depending on size)
Supply Cable	Correct size to avoid power loss 2.5mm²	As per Electrical Regulations
Column Covers	Galvanised	Standard
Barrel Cover	Galvanised	Standard
Motor Cover	Galvanised	Standard
Safety Edge	Wireless Resistive	Standard
	Heading Sensor	No cost option (wet environments)
Photocell	Transmitter / Receiver Type	Standard
Vision Panels	2 Rows	Standard
Timed Close	Selected on Installation	0 – 200 secs
Limits	Digital Encoder	Standard
	Mechanical Limits	Optional
Emergency Opening	Hand Crank to the Bottom of the motor	Standard

Optional Extras

Various vision panel designs	Counter weight for manual opening	Proximity sensors
Digital print onto the curtain	UPS battery backup	Key switch
Customer logos	Remote controls	Digital keypad
Insulated curtain	Radar sensors	LED traffic lights
"T" cut emergency exit in the curtain	Safety light grid	Flashing warning light
Stainless steel frame	Induction loop detectors	Heating kits to guides and motors
Powder coated frame	Pull switch with optional gallows	

Standards and Conformity

Mechanical Compliance	BS EN12604	
Resistance against Wind Pressure	DIN EN 12424 - 44	Class 2
Air Permeability	EN 12426 – 7	Class 1
Thermal Performance	EN 12428	5.82W/m²K
Resistance to Water Penetration	EN12425	Class 3
Compliant to European Standard	EN13241	

Technical Drawings

Distributor Details