



HIGH SPEED DOORS

ENERGY EFFICIENCY · RELIABILITY · SAFETY



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DYNAMICROLL BASIS

Dimensions:
width — 2000 to 7000 mm;
height — 1800 to 6000 mm.



Long-term service life

Application: universal — indoor openings in industrial, storage, and commercial facilities.

Design: door structure is made of galvanized steel, drive shaft — galvanized steel $D = 90/130$ mm;
track guides — extruded polyethylene;
curtain — light-proof reinforced PVC, 900 g/m^2 density;
vision panels — 1 mm thick transparent PVC.

DYNAMICROLL PLUS

Dimensions:
width — 2 000 to 7 000 mm;
height — 1 800 to 6 000 mm.



Universal application

Application: universal — for outdoor openings in industrial, storage, and commercial facilities.

Design: door structure is made of galvanized steel, drive shaft — galvanized steel $D = 90/130$ mm;
track guides — extruded polyethylene;
curtain — light-proof reinforced PVC, 900 g/m^2 density;
vision panels — 1 mm thick transparent PVC.

DYNAMICROLL FOOD

Dimensions:
width — 2000 to 4000 mm;
height — 1800 to 4000 mm.



Safe operation

Application: food industry.

Design: door structure is made of stainless steel AISI 304, drive shaft — stainless steel AISI 304, D = 90/130 mm;
track guides — extruded polyethylene;
curtain — light-proof reinforced PVC, 900 g/m² density;
vision panels — 1 mm thick transparent PVC.

DYNAMICROLL FRIGO 2

Dimensions:
width — 2000 to 3500 mm;
height — 1800 to 4000 mm.



Non-freezable

Application: cold storage.

Design: double curtain door with hot air between, door structure is made of galvanized steel, drive shaft — galvanized steel $D = 90/130$ mm;
track guides — extruded polyethylene;
curtain — light-proof reinforced PVC, 900 g/m^2 density.

DYNAMICROLL CB

Dimensions:
width — 2000 to 4000 mm;
height — 1800 to 4000 mm.



Proved quality

Application: clean rooms, premises with high requirements for clean air.

Design: door structure is made of stainless steel AISI 304, drive shaft — stainless steel AISI 304, D = 90/130 mm;
track guides — extruded polyethylene;
curtain — light-proof reinforced PVC, 900 g/m² density;
vision panels — 1 mm thick transparent PVC.

SPIRAL DOOR HSSD

Dimensions:
width — 2000 to 8000 mm;
height — 1800 to 6000 mm.



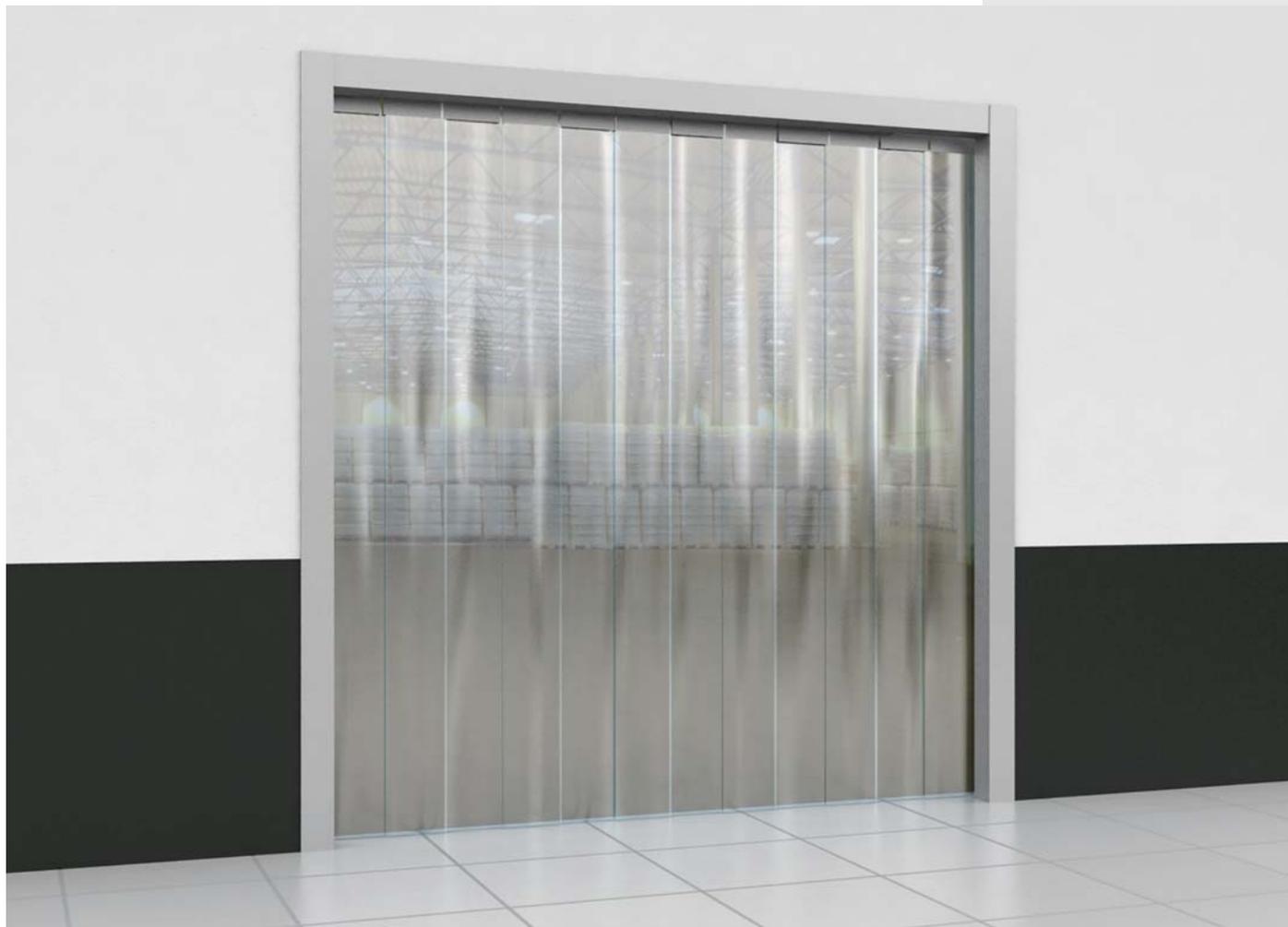
High speed of operation

Application: indoor/outdoor openings in industrial, storage, and commercial facilities.

Design: door structure is made of galvanized steel, door curtain consist of sandwich panels 40 mm;
track guides — aluminium.

STRIP PVC

Dimensions:
width — 500 to ∞ mm;
height — 500 to 4500 mm.



Application: indoor/outdoor openings of industrial premises.

Design: the door curtain is made of PVC stripes 2/3/4mm thickness. Plates and brackets from galvanized steel or stainless steel.

PVC SWING DOOR

Dimensions:
width — 700 to 3000 mm;
height — 1500 to 3000 mm.

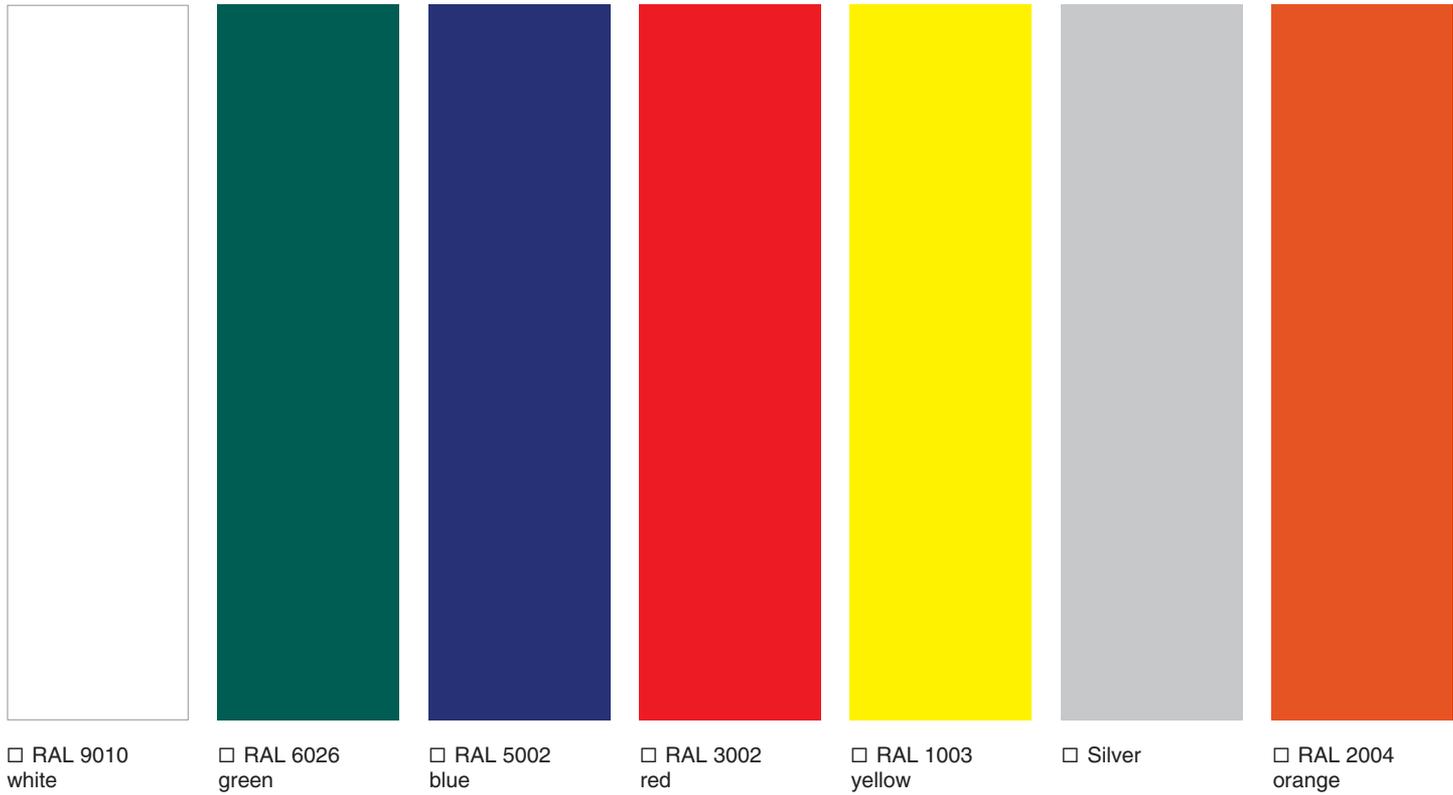


Application: indoor openings of industrial premises.

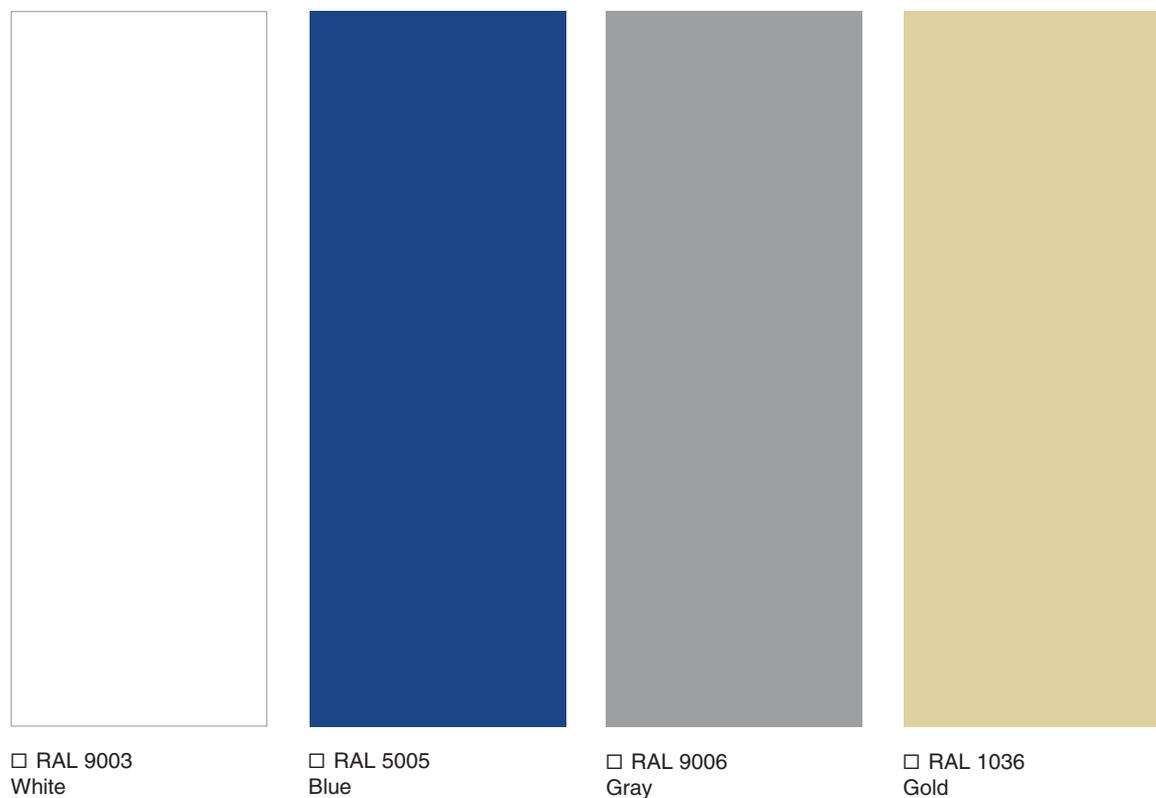
Design: the door curtain is made of elastic PVC7mm thickness (transparent, non-transparent or combined);
frame is made of aluminium profiles.

COLORS

STANDARD COLORS OF HIGH SPEED DOOR PVC CURTAIN



STANDARD COLORS OF HIGH SPEED SPIRAL DOOR



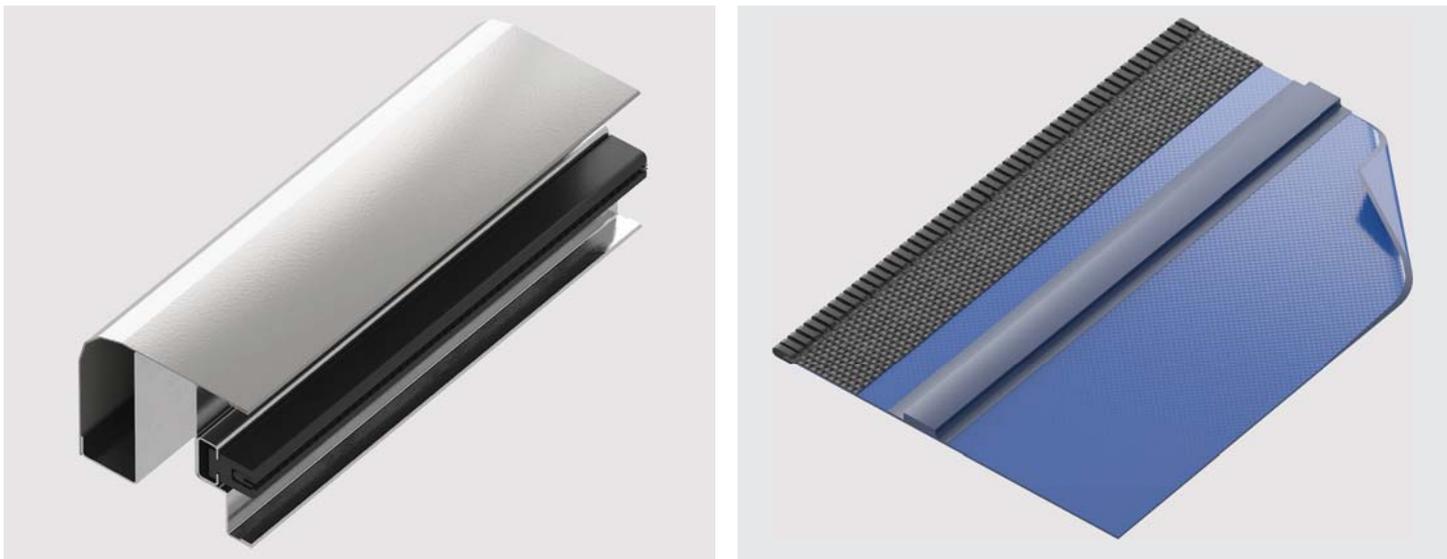
FEATURES

HIGH-SPEED ROLL-UP DOOR

Unique door design provides high traffic through-put capacity while minimizing heat losses.



Door curtain is made without any rigid pieces, making them safe for use by equipment and staff. DoorHan high-speed doors are self-repairing, meaning that if door curtains come off of their track (for example, in the event of impact with a forklift) the system will automatically guide the curtain back into the track on the next cycle.



Door frame is made of galvanized steel and can be optionally manufactured of stainless steel and painted into any color by RAL. Modular design makes it easy to change door components.

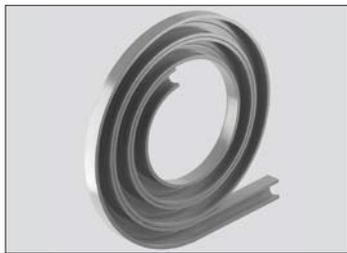
Door curtain is made of PVC with polyester fabric (900-1200 g/m²) with transparent parts to provide visibility behind the door

SPIRAL DOOR HSSD



Sandwich panel.

Is made of aluminium thickness 0.7 mm with PU foam inside. Dimensions : 185x40mm



Spiral technology



Aluminium guides



PVC roller ensures movement in the guide



Lower rubber seal

WINDOW



SPIRAL OPTIONS



Horizontal spiral



Round spiral



Oval spiral

SPECIFICATIONS

DYNAMICROLL BASIS	
Maximum Size, W × H	7000 × 6000 mm
Wind Load**	EN12424 for doors W × H 3000 × 3000 mm — Class 3; W × H 5000 × 5000 mm — Class 2; W × H 7000 × 6000 mm — Class 1
Opening Speed	up to 3000 × 3000 mm — 2.0 m/s; up to 5000 × 5000 mm — 1.8 m/s; up to 7000 × 6000 mm — 1.0 m/s
Closing Speed	0.8 m/s (Can be set the same like opening)
Working Temperature Range	from -15 to +70 °C — if drive is installed indoors; from -5 to +70 °C — if drive is installed outdoors; from -35 to +70 °C — with drive and side frame heating systems
Control unit	painted steel housing; size — 470 × 290 × 200 mm; Protection — IP 54; Frequency converter
Operator	supply voltage — 220 V / 50–60 Hz; 380 V / 50–60 Hz; power — 1.5 kW; Protection — IP54; limit positions by encoder
Safety	door meets European Standard EN 13241 CE; one pair of photo cells installed 500 mm from floor level; when door's soft lower edge impacts an object while closing a sensor sends a radio signal to the control box and the door immediately opens (optional); the door opens automatically on 2000mm if power failure in case of using counterweight (option) flashing light Siren (option)
Operating Life	1500000 cycles

DYNAMICROLL PLUS	
Maximum Size, W × H	7000 × 6000 mm
Wind Load**	EN12424 for doors W × H 3000 × 3000 mm — Class 3; W × H 5000 × 5000 mm — Class 2; W × H 7000 × 6000 mm — Class 1
Opening Speed	up to 3000 × 3000 mm — 2.0 m/s; up to 5000 × 5000 mm — 1.8 m/s; up to 7000 × 6000 mm — 1.0 m/s
Closing Speed	0.8 m/s (Can be set the same like opening)
Working Temperature Range	from -15 to +70 °C — if drive is installed indoors; from -5 to +70 °C — if drive is installed outdoors; from -35 to +70 °C — with drive and side frame heating systems
Control unit	painted steel housing, size — 470 × 290 × 200 mm; Protection — IP54; Frequency converter
Operator	supply voltage — 220 V / 50–60 Hz; 380 V / 50–60 Hz; power — 1.5 kW; Protection — IP54; limit positions by encoder
Safety	door meets European Standard EN 13241 CE; one pair of photo cells installed 500 mm from floor level; when door's soft lower edge impacts an object while closing a sensor sends a radio signal to the control box and the door immediately opens (optional); the door opens automatically on 2000mm if power failure in case of using counterweight (option) flashing light Siren (option)
Operating Life	1500000 cycles

DYNAMICROLL FOOD	
Maximum Size, W × H	4000 × 4000 mm
Wind Load**	EN12424 for doors W × H 3000 × 3000 mm — Class 3; W × H 4000 × 4000 mm — Class 2
Opening Speed	2.0 m/s*
Closing Speed	0.8 m/s (Can be set the same like opening)
Working Temperature Range	from -15 to +70 °C — if drive is installed indoors; from -5 to +70 °C — if drive is installed outdoors; from -35 to +70 °C — with drive and side frame heating systems
Control unit	painted steel housing, size — 470 × 290 × 200 mm; Protection — IP54; Frequency converter
Operator	supply voltage — 220 V / 50–60 Hz; 380 V / 50–60 Hz; power — 1.5 kW; Protection — IP54; limit positions by encoder
Safety	door meets European Standard EN 13241 CE; one pair of photo cells installed 500 mm from floor level; when door's soft lower edge impacts an object while closing a sensor sends a radio signal to the control box and the door immediately opens (optional); the door opens automatically on 2000mm if power failure in case of using counterweight (option) flashing light Siren (option)
Operating Life	1500000 cycles

* Depends on the door size.

** Wind speed is given for closed door

DYNAMICROLL FRIGO 2	
Maximum Size, W × H	3500 × 4000 mm
Wind Load**	EN12424 Class 1
Opening Speed	1.5 m/s*
Closing Speed	0.8 m/s (Can be set the same like opening)
Working Temperature Range	from -15 to +70 °C — if drive is installed indoors; from -5 to +70 °C — if drive is installed outdoors; from -35 to +70 °C — with drive and side frame heating systems
Control unit	painted steel housing, size — 470 × 290 × 200 mm; Protection — IP54; Frequency converter
Operator	supply voltage — 220 V / 50–60 Hz; 380 V / 50–60 Hz; power — 1.5 kW; Protection — IP54; limit positions by encoder
Safety	door meets European Standard EN 13241 CE; one pair of photo cells installed 500 mm from floor level; when door's soft lower edge impacts an object while closing a sensor sends a radio signal to the control box and the door immediately opens (optional); flashing light Siren (option)
Operating Life	1 500 000 cycles

DYNAMICROLL CB CLEAN ROOM	
Maximum Size, W × H	4000 × 4000 mm
Wind Load**	Class 1
Opening Speed	2.0 m/s*
Closing Speed	0.8 m/s (Can be set the same like opening)
Working Temperature Range	from -15 to +70 °C — if drive is installed indoors; from -5 to +70 °C — if drive is installed outdoors; from -35 to +70 °C — with drive and side frame heating systems Permeability air EN12426 EN12427 < 12 m ³ /m ² h Δ50 PA
Control unit	painted steel housing, size — 470 × 290 × 200 mm; Protection — IP54; Frequency converter
Operator	supply voltage — 220 V / 50–60 Hz; 380 V / 50–60 Hz; power — 1.5 kW; Protection — IP54; limit positions by encoder
Safety	door meets European Standard EN 13241 CE; one pair of photo cells installed 500 mm from floor level; when door's soft lower edge impacts an object while closing a sensor sends a radio signal to the control box and the door immediately opens (optional); The door opens automatically on 2000mm if power failure in case of using counterweight (option); flashing light Siren (option)
Operating Life	1 500 000 cycles

HSSD	
Maximum Size, W × H	6000 × 8000 mm
Wind Load	EN12424 for doors W × H 3000 × 3000 mm — Class 3; W × H 6000 × 6000 — Class 2
Opening Speed	up to 2 m/s*
Closing Speed	0.8 m/s (Can be set the same like opening)
Working Temperature Range	from -15 to +70 °C — if drive is installed indoors; from -5 to +70 °C — if drive is installed outdoors; from -35 to 70 °C — with drive and side frame heating systems
Operator	supply voltage 220 V / 50-60 Hz ; 380 V / 50-60 Hz ; power 1,5-3,7 kW; Protection - IP-54; limit position by encoder;
Operating Life	3000 000 cycles
Safety	door meets European standard EN 13241 CE; two pair of photo cells installed 400mm and 900mm from the floor level; when the door soft lower edge impacts an object; while closing a sensor sends radio signal to the control box and the door opens immediately; light barrier 1500mm height (option) flashing light Siren (option)
Control unit	painted steel housing; size — 470 × 290 × 200 mm; Protection — IP 54; Frequency converter

* Depends on the door size.

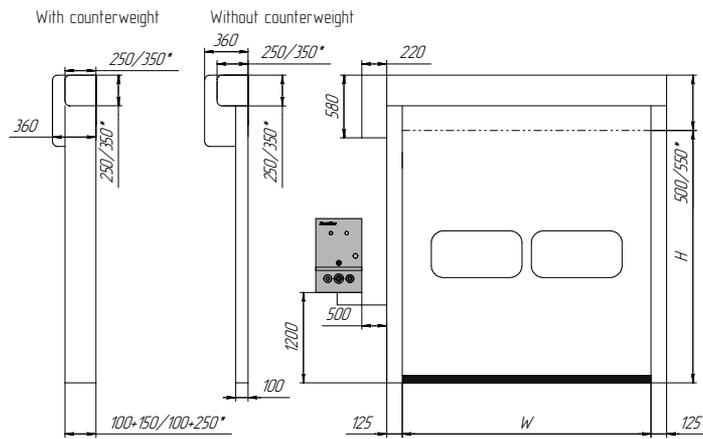
** Wind speed is given for closed door

STRIP PVC	Standard film	Low temperature film
Density	1.22 g/cm ³	1.18 g/cm ³
Transparency	80%	80%
Tear resistance	16 N/mm ²	11.5 N/mm ²
Elongation	340%	390%
Heat transfer	0.14 W/(m K)	0.14 W/(m K)
Noise absorption	35 Db	35 Db
Working temperature range	-15...+50°C	-25...+30°C

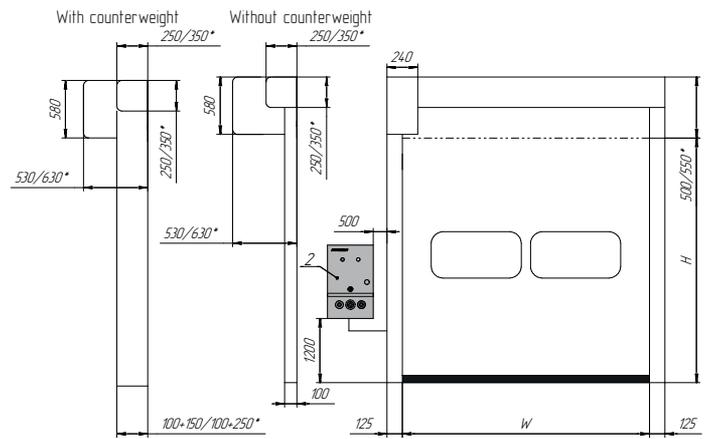
PVC SWING DOOR	Standard film	Frost-resistant
Density	1.22 g/cm ³	1.18 g/cm ³
Hardness	75 HSA	63 HSA
Tear resistance	16 N/mm ²	11.5 N/mm ²
Elongation	340 %	390 %
Heat transfer	0.14 W/m °C	
Inflammability	Damp, not burn	
Moisture absorption	0.1	0.12
Transparency	80%	
Light resistance	not change	
Noise absorption	35 dB	
Minimal operation temperature	-15 °C	-30 °C

MOUNTING DIMENSION

DYNAMICROLL BASIS

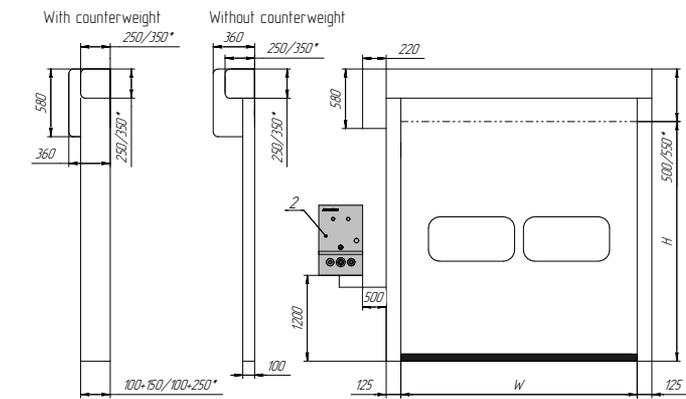


Lateral motor

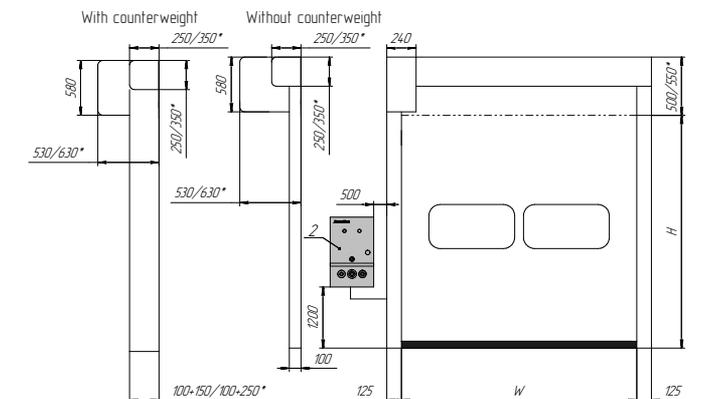


Front motor

DYNAMICROLL PLUS

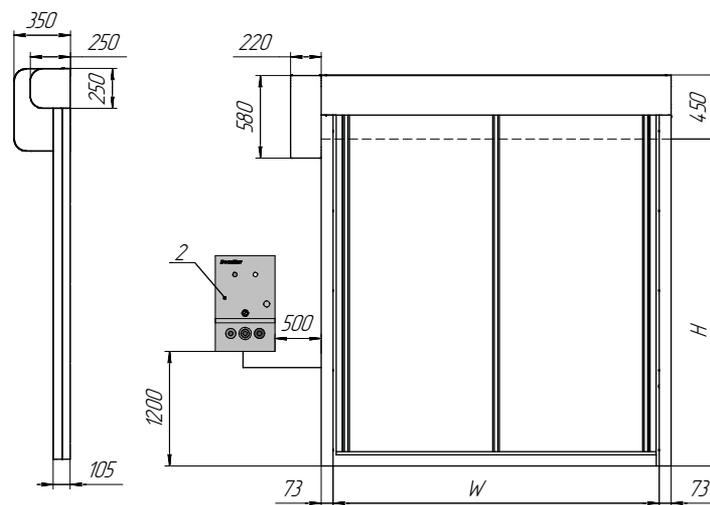


Lateral motor



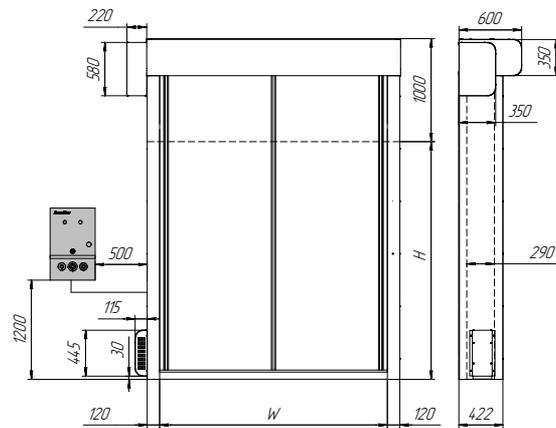
Front motor

DYNAMICROLL FOOD

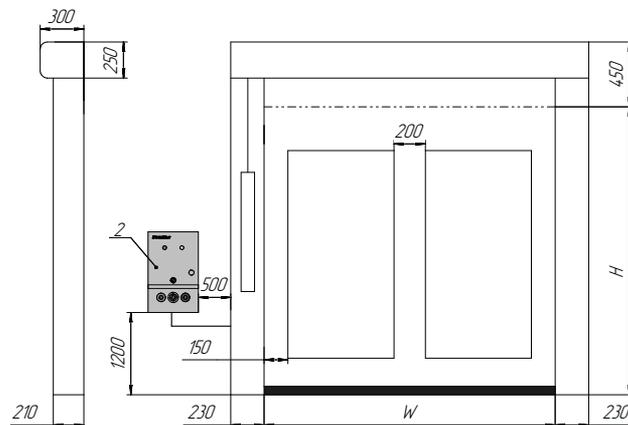


Sideway drive installation

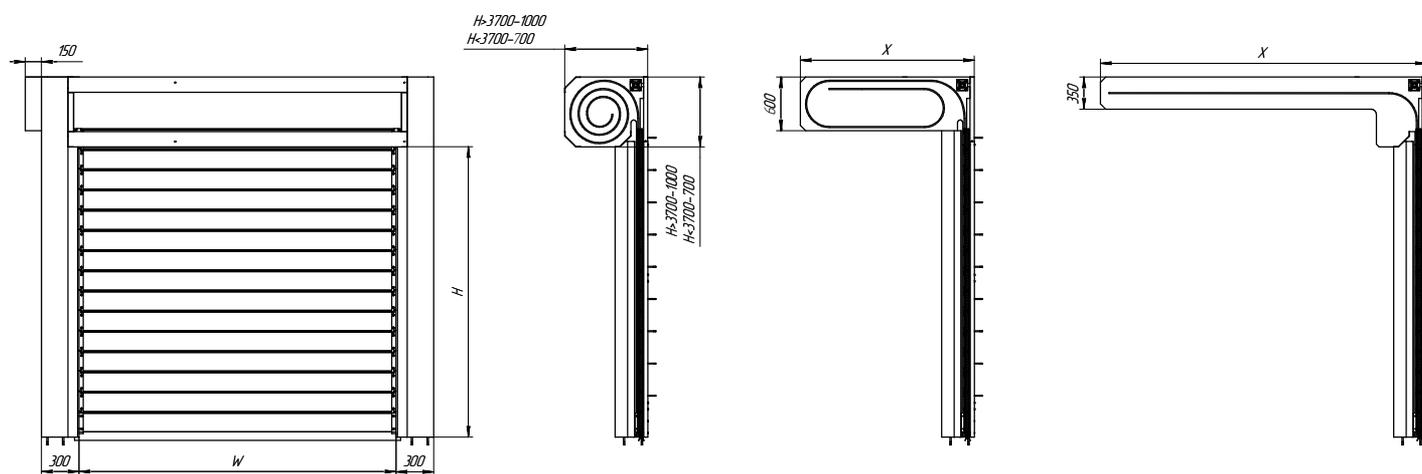
DYNAMICROLL FRIGO 2



DYNAMICROLL CB



HSSD



□ Depend on door size