



# *DOORHAN*®

## HIGH SPEED DOORS



➤ DoorHan group of companies is a leading international door and gates manufacturing company which produces over a million units of doors and loading dock equipment a year. DoorHan group of companies include: 14 plants, 23 production and warehouse facilities, 42 sales offices.

➤ Our plants produce the whole range of components and parts for our equipment. Every plant includes manufacturing and assembly workshops, warehouse facilities, showroom and training centre. Each plant is the main distribution center for it's region.



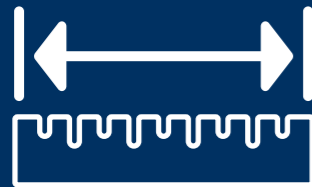
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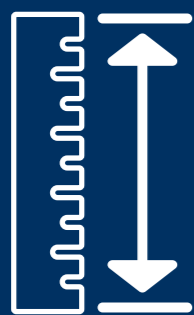
# DOORHAN®

## SPEEDROLL SDI

LONG-TERM SERVICE LIFE



WIDTH:  
1 800–6 000 MM



HEIGHT:  
1 800–6 000 MM

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

➤ Design: door structure is made of galvanized steel;  
drive shaft — galvanized steel  $D = 140$  mm;  
track guides — extruded polyethylene;  
curtain — polyester material covered with PVC,  $900 \text{ g/m}^2$  density, PVC thickness  $0.9 \text{ mm}^*$ ;  
vision panels —  $1 \text{ mm}$  thick transparent PVC (optional).

\* The actual thickness is from  $0.8$  to  $0.9 \text{ mm}$ .

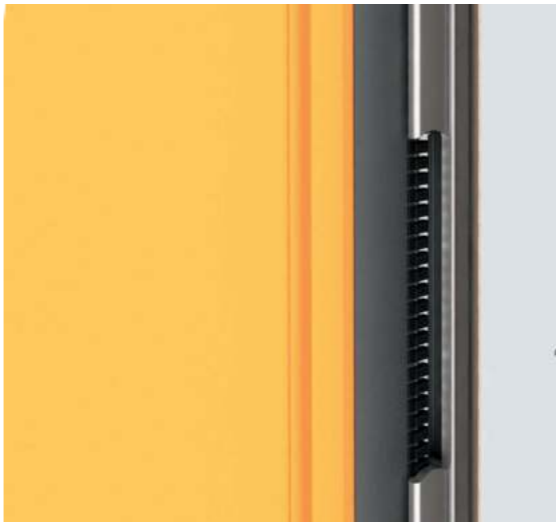


# SDI FEATURES

High speed roll-up door



- 1, Door motor
- 2. Shaft
- 3. Shaft cover
- 4. Curtain
- 5. Transparent window
- 6. Track cover
- 7. Door track
- 8. Curtain ballast with safety edge (optional)
- 9. Safety photocell
- 10. Control unit



Door curtain is made without any rigid pieces, making them safe for use by equipment and staff.



Polyethylene door track and integrated plastic teeth on curtain provides door smooth operation.



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



Door curtain is made of polyester material covered with PVC (900–1 200 g/m<sup>2</sup>) with transparent panels (optional) to provide visibility of approaching traffic.

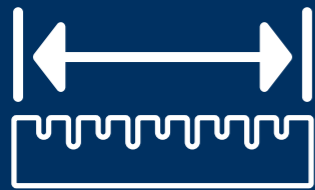


220V Doorhan Servo motor with double encoder, torque auto-adjusting system, easy door adjusting using the multifunctional control unit with LCD screen.

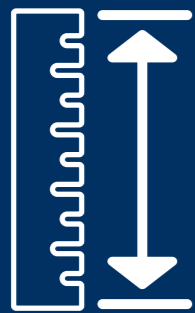
# DOORHAN®

## SPEEDROLL SDO

UNIVERSAL APPLICATION



WIDTH:  
1 800–6 000 MM

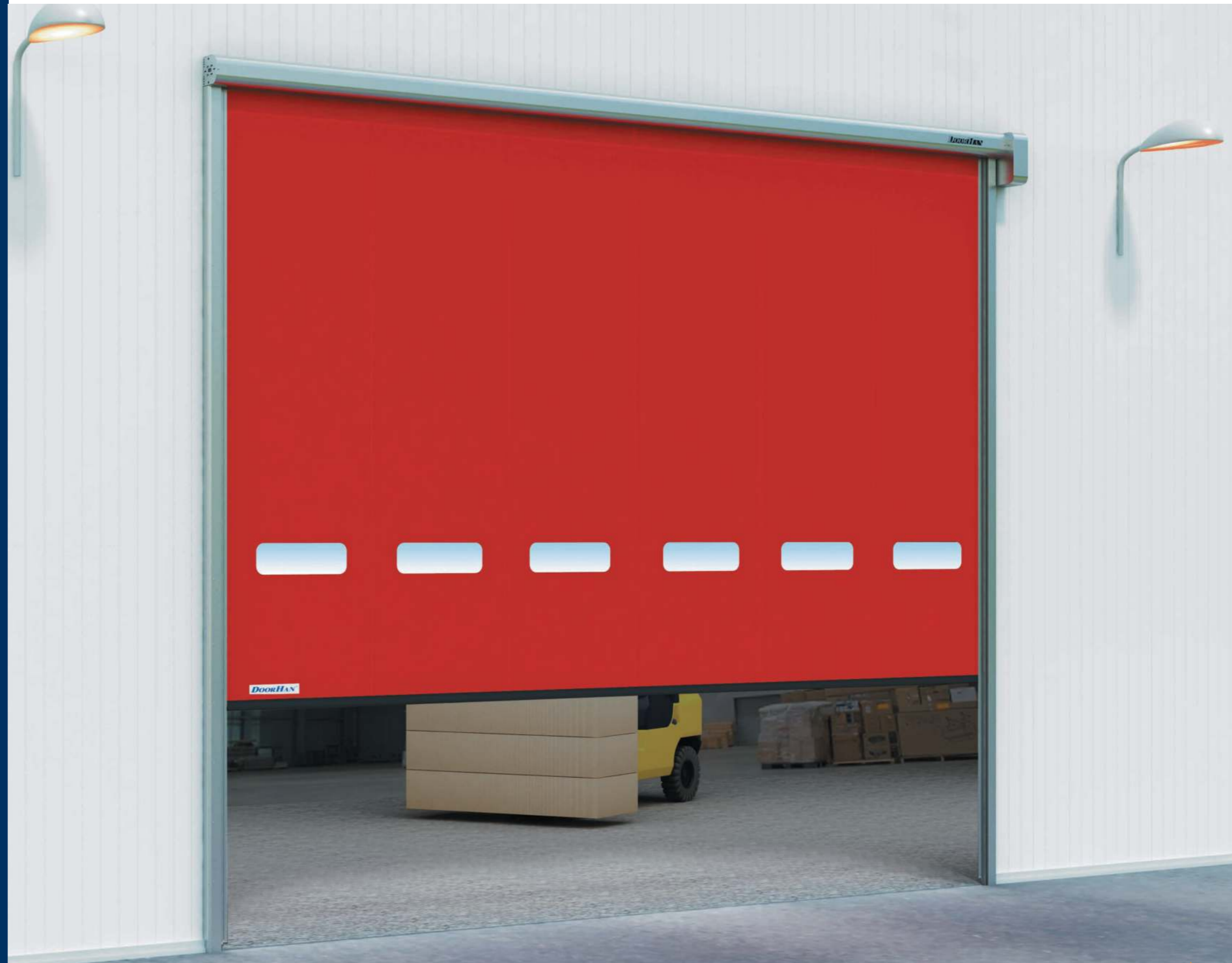


HEIGHT:  
1 800–6 000 MM

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

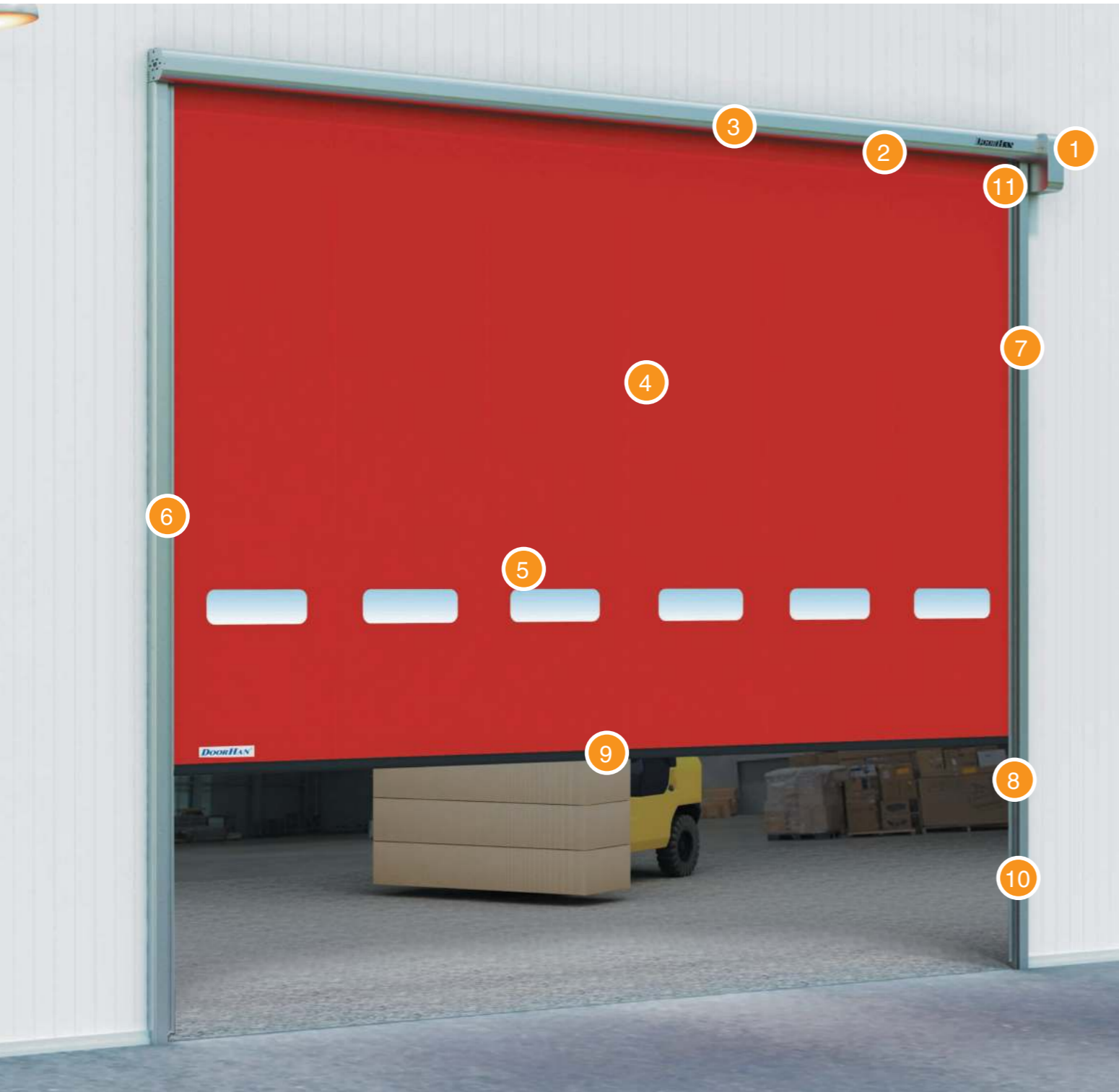
➤ Design: door structure is made of galvanized steel;  
drive shaft — galvanized steel D = 140 mm;  
track guides — extruded polyethylene;  
curtain — polyester material covered with PVC, 900 g/m<sup>2</sup> density, PVC thickness 0.9 mm\*;  
vision panels — 1 mm thick transparent PVC (optional).

\* The actual thickness is from 0.8 to 0.9 mm.



# SDO FEATURES

High speed roll-up door



- 1, Door motor
- 2. Shaft
- 3. Shaft cover
- 4. Curtain
- 5. Transparent window
- 6. Track cover

- 7. Door track
- 8. Track reinforcement (optional)
- 9. Curtain ballast with safety edge
- 10. Safety photocell
- 11. Anti jamming sensor



Door tracks equipped with reinforcement profile to prevent curtain coming out of tracks because of wind (optional).



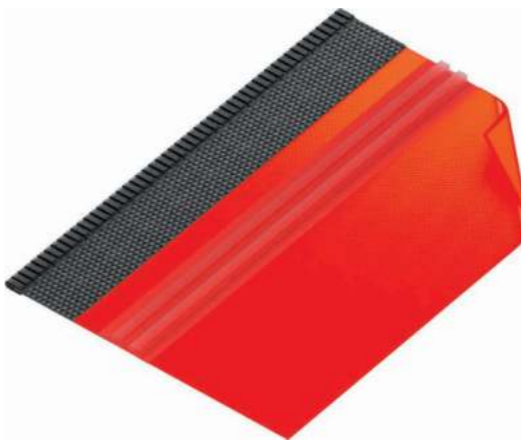
Anti jamming sensor allows to detect the jamming of the door curtain and give the command to the control unit to retry closing the door.



Polyethylene door track and integrated plastic sheets on curtain provides door smooth operation.



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



Door curtain is made of polyester material covered with PVC (900–1200 g/m<sup>3</sup>) with transparent panels (optional) to provide visibility of approaching traffic.

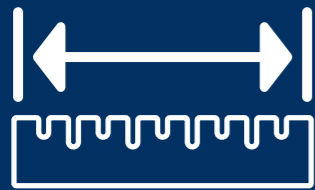


220V DoorHan Servo motor with double encoder, torque auto-adjusting system, easy door adjusting using the multifunctional control unit with LCD screen.

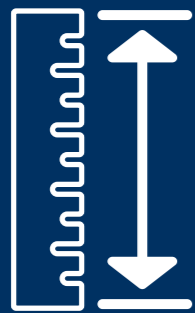
# DOORHAN®

## SPEEDROLL SDF

STAINLESS STEEL HARDWARE



WIDTH:  
1 800–4 000 MM



HEIGHT:  
1 800–4 000 MM

➤ Application: food industry.

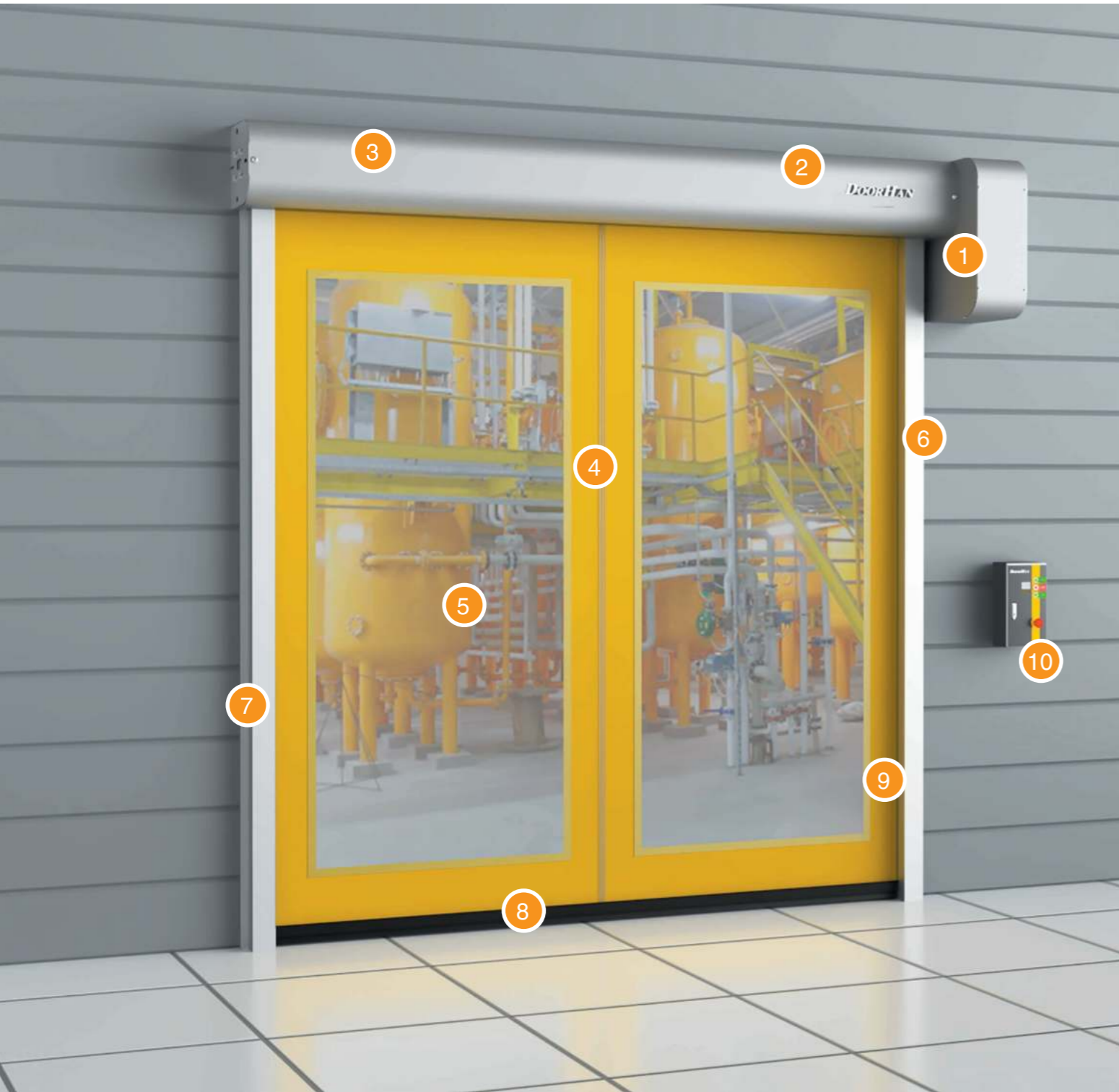
➤ Design: door structure is made of stainless steel AISI 304;  
drive shaft — stainless steel AISI 304, D = 90 mm;  
track guides — extruded polyethylene;  
curtain — polyester material covered with PVC, 900 g/m<sup>2</sup> density, PVC thickness 0.9 mm\*;  
vision panels — 1 mm thick transparent PVC (optional).

\* The actual thickness is from 0.8 to 0.9 mm.



# SDF FEATURES

High speed roll-up door



- 1, Door motor
- 2. Shaft
- 3. Shaft cover
- 4. Curtain
- 5. Transparent window
- 6. Track cover
- 7. Door track
- 8. Curtain ballast with safety edge (optional)
- 9. Safety photocell
- 10. Control Unit



Door curtain is made without any rigid pieces, making them safe for use by equipment and staff.



Polyethylene door track and integrated plastic teeth on curtain provides door smooth operation.



The special shape of the stainless steel track profile has no hidden cavities, which allows you to effectively clean all cavities from dirt and bacteria.



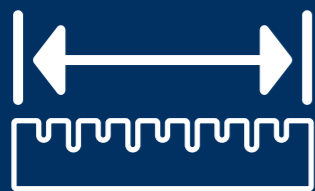
Door curtain is made of polyester material covered with PVC (900–1200 g/m<sup>2</sup>) with transparent panels (optional) to provide visibility of approaching traffic.



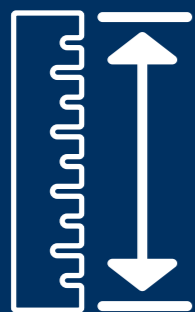
220V DoorHan Servo motor with double encoder, torque auto-adjusting system, easy door adjusting using the multifunctional control unit with LCD screen.

## SPEEDROLL SDA

ALUMINIUM REINFORCEMENT PROFILES ON  
CURTAIN



WIDTH:  
1 800–4 000 MM



HEIGHT:  
1 800–4 000 MM

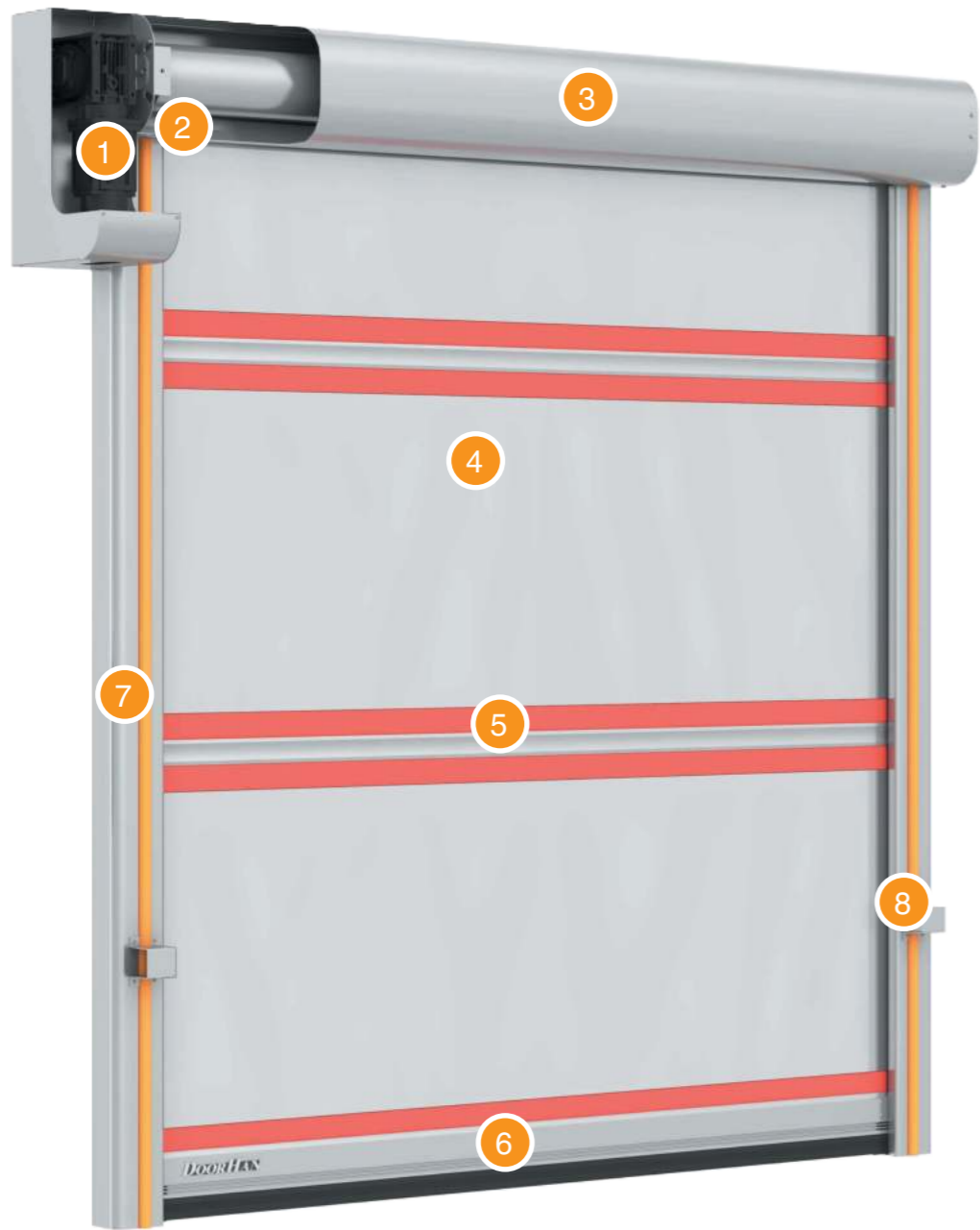
- Application: universal — for indoor openings in industrial, storage, and commercial facilities.
- Design: Door equipped with aluminium reinforcement profiles on curtain and brush seal on tracks, drive shaft — galvanized steel D = 140 mm; track guides — made of aluminium profiles with brush seal (Zinc coat or stainless steel optionally); curtain — polyester material covered with PVC, 900 g/m<sup>2</sup> density, PVC thickness 0.9 mm\*; vision panels — 1 mm thick transparent PVC (optional).



\* The actual thickness is from 0.8 to 0.9 mm.

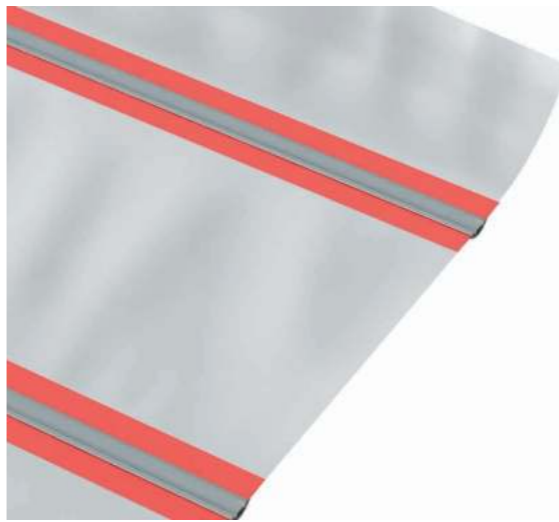
# SDA FEATURES

High speed roll-up door

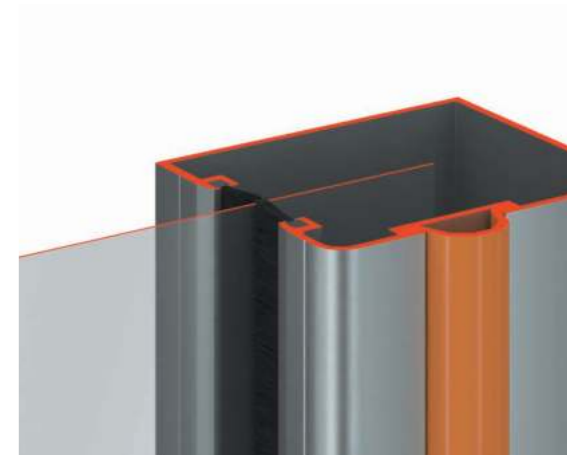


- 1, Door motor
- 2. Shaft
- 3. Shaft cover
- 4. Transparent window
- 5. Curtain reinforcement profile

- 6. Bottom aluminium profile with safety edge
- 7. Door track
- 8. Safety photocell
- 9. Control Unit



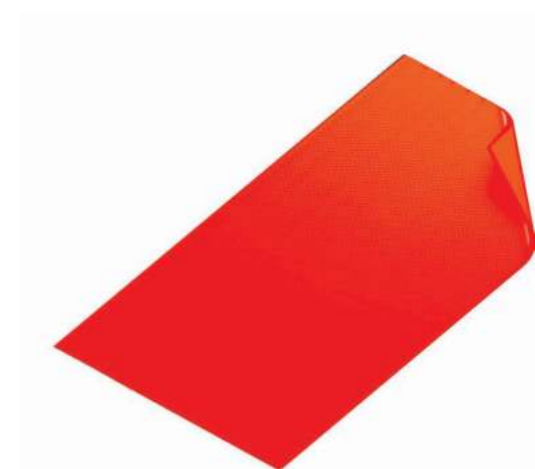
Door curtain with aluminium reinforcement profile.



Non zipper door track with the brush seal.



Different types of tracks according to your job site conditions (aluminium, stainless or zinc coated steel).



Door curtain is made of polyester material covered with PVC (900–1200 g/m<sup>2</sup>) with transparent panels (optional) to provide visibility of approaching traffic.

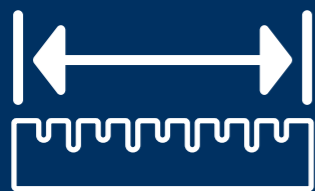


220V DoorHan Servo motor with double encoder, torque auto-adjusting system, easy door adjusting using the multifunctional control unit with LCD screen.

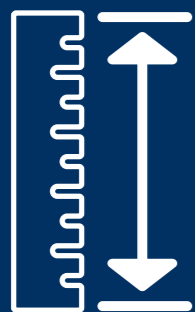
# DOORHAN®

## SPEEDFOLD SDFS/ SDFB

PROVEN QUALITY



WIDTH:  
2000–12000 MM



HEIGHT:  
2000–7000 MM

➤ Application: indoor/outdoor openings in industrial, storage, and commercial facilities. For openings with higher wind load.

➤ Design: jambs, covers, tubes are made of galvanized steel; curtain — polyester material covered with PVC, 900 g/m<sup>2</sup> density, PVC thickness 0.9 mm\*;  
vision panels — 1 mm thick transparent PVC (optional).

The door opening is activated by belts system.

SDFS smaller than 5000 × 5000 mm

SDFB bigger than 5000 × 5000 mm



\* The actual thickness is from 0.8 to 0.9 mm.

# SDFS/SDFB FEATURES

High speed fold-up door



- 1, Door motor
- 2. Shaft
- 3. Shaft cover
- 4. Curtain
- 5. Transparent window
- 6. Curtain reinforcement tube

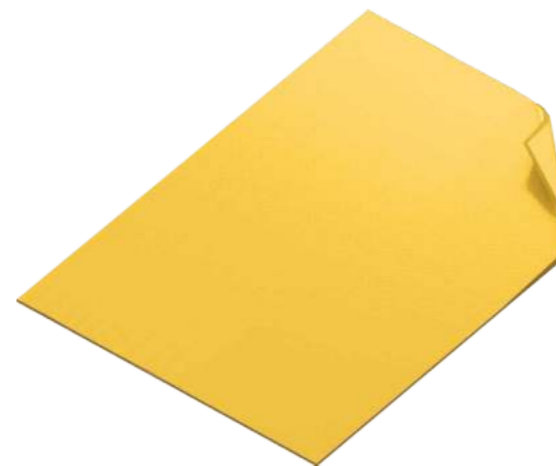
- 7. Lifting belt
- 8. Curtain ballast with safety edge (optional)
- 9. Door track
- 10. Safety photocell
- 10. Control Unit



Door curtain with steel reinforcement tubes.



Tracks made of zinc coated steel with the brush seal.



Door curtain is made of polyester material covered with PVC (900–1 200 g/m<sup>2</sup>) with transparent panels (optional) to provide visibility of approaching traffic.



220V DoorHan Servo motor with double encoder, torque auto-adjusting system, easy door adjusting using the multifunctional control unit with LCD screen.

# DESIGN

Standard colours of PVC door curtain



RAL 9010 white

RAL 6026 green

RAL 5002 blue

RAL 3002 red

RAL 1003 yellow

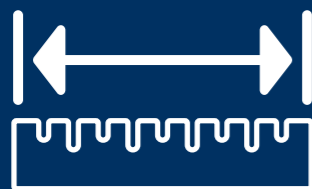
RAL 9006 silver

RAL 2004 orange

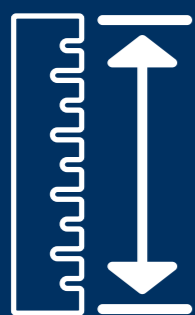
# DOORHAN®

## SPIRAL DOOR HSSD

HIGH SPEED OF OPERATION



WIDTH:  
1 000–8 000 MM



HEIGHT:  
1 000–9 000 MM

- Application: indoor/outdoor openings in industrial, storage, and commercial facilities; for openings with higher wind load and high traffic.
- Design: door structure is made of galvanized steel; door curtain consists of aluminium sandwich panels 43 mm (80mm optional for big door size). Foam density is 45kg/m<sup>3</sup>; track guides — aluminium.
- Safety features: one pair of photocells (two pair optional) and safety air edge(wireless). As an option door can be equipped with light beam for better protection from collisions with the door leaf.



# FEATURES

Spiral door HSSD



**Sandwich panel**  
 Is made of aluminium plates thickness 0.7 mm with PU foam inside.  
 Foam density is 45kg/m<sup>3</sup>.  
 Panel dimensions: 220 × 43 mm or 220 × 80 mm for big door.  
 Rubber seal connects the panels to each other preventing air movement and improving insulation.

### STANDARD COLOURS OF HIGH SPEED SPIRAL DOOR

RAL 9016 white
RAL 7045 grey
RAL 9006 silver

### QUICK AND EASY DOOR INSTALLATION

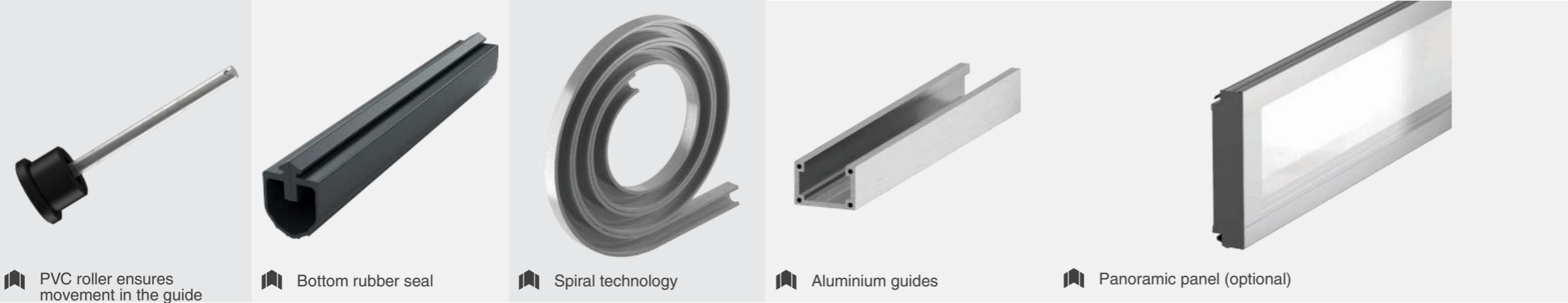
The door is supplied preassembled to facilitate which speed up the installation. Just install the tracks and factory preassembled top part. The panels are already in the roll, which allows you to install the door using a forklift and not damage the panels.



### SPIRAL OPTIONS ROUND SPIRAL



### SPIRAL OPTIONS OVAL SPIRAL



**PVC roller** ensures movement in the guide | **Bottom rubber seal** | **Spiral technology** | **Aluminium guides** | **Panoramic panel (optional)**

# SPECIFICATIONS

## SPEEDROLL SDI



	DoorHan Servo
Maximum Size, W × H	6000 × 6000 mm
Wind Load*	EN12424 for doors W × H 3000 × 3000 mm — Class 3; W × H 5000 × 5000 mm — Class 2; W × H 6000 × 6000 mm — Class 1
Opening Speed**	up to 3000 × 3000 mm — 1.8 m/s; up to 5000 × 5000 mm — 1.2 m/s; up to 6000 × 6000 mm — 1.0 m/s
Closing Speed	0.5 m/s (can be set the same like opening speed)
Working Temperature Range	from -15 to +50 °C — if drive is installed indoors; from -30 to +50 °C — with drive and side frame heating systems no windows in use for -5 °C and lower
Control unit	painted steel housing (stainless steel optional); size — 250 × 450 × 140 mm for 0.75 kW and 1.5 kW motors; size — 250 × 490 × 140 mm for 2.2 kW motors; protection — IP 54
Operator	supply voltage — 220-240 V / 50-60 Hz; power — 0.75kW, 1.5kW or 2.2kW; protection — IP 54; limit positions by absolute encoder
Safety	door meets European Standard EN 13241 CN; one pair of photocells installed 500 mm from floor level; wireless safety edge (optional); anti jamming sensor (optional); transparent window (optional, unavailable for cold storages); flashing light; siren (optional)
Operating Life	1 500 000 cycles

\* Wind speed is given for closed door.

\*\* Max opening speed depends on door size and local wind conditions.

## SPEEDROLL SDF



	DoorHan Servo
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**	up to 3000 × 3000 mm — 1.8 m/s; up to 4000 × 4000 mm — 1.2 m/s
Closing Speed	0.5 m/s (can be set the same like opening speed)
Working Temperature Range	from -15 to +50 °C — if drive is installed indoors; from -5 to +50 °C — if drive is installed outdoors; from -30 to +50 °C — with drive and side frame heating systems no windows in use for -5 °C and lower
Control unit	painted steel housing (stainless steel optional); size — 250 × 450 × 140 mm for 0.75 kW and 1.5 kW motors; size — 250 × 490 × 140 mm for 2.2 kW motors; protection — IP 54
Operator	supply voltage — 220-240 V / 50-60 Hz; power — 0.75kW, 1.5kW or 2.2kW; protection — IP54; limit positions by absolute encoder
Safety	door meets European Standard EN 13241 CN; one pair of photocells installed 500 mm from floor level; wireless safety edge (optional); anti jamming sensor (optional); transparent window (optional, unavailable for cold storages); flashing light; siren (optional)
Operating Life	1 500 000 cycles

\* Wind speed is given for closed door.

\*\* Max opening speed depends on door size and local wind conditions.

## SPEEDROLL SDO



	DoorHan Servo
Maximum Size, W × H	6000 × 6000 mm
Wind Load*	EN12424 for doors W × H 3000 × 3000 mm — Class 3; W × H 5000 × 5000 mm — Class 2; W × H 6000 × 6000 mm — Class 1
Opening Speed**	up to 3000 × 3000 mm — 1.8 m/s; up to 5000 × 5000 mm — 1.2 m/s; up to 6000 × 6000 mm — 1.0 m/s
Closing Speed	0.5 m/s (can be set the same like opening speed)
Working Temperature Range	from -15 to +50 °C — if drive is installed indoors; from -5 to +50 °C — if drive is installed outdoors; from -30 to +50 °C — with drive and side frame heating systems no windows in use for -5 °C and lower
Control unit	painted steel housing (stainless steel optional); size — 250 × 450 × 140 mm for 0.75 kW and 1.5 kW motors; size — 250 × 490 × 140 mm for 2.2 kW motors; protection — IP 54
Operator	supply voltage — 220-240 V / 50-60 Hz; power — 0.75kW, 1.5kW or 2.2kW; protection — IP 54; limit positions by absolute encoder
Safety	door meets European Standard EN 13241 CN; one pair of photocells installed 500 mm from floor level; wireless safety edge; anti jamming sensor; transparent window (optional, unavailable for cold storages); flashing light; siren (optional)
Operating Life	1 500 000 cycles

\* Wind speed is given for closed door.

\*\* Max opening speed depends on door size and local wind conditions.

## SPEEDROLL SDA



	DoorHan Servo
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**	up to 3000 × 3000 mm — 1.8 m/s; up to 4000 × 4000 mm — 1.2 m/s
Closing Speed	0.5 m/s (can be set the same like opening speed)
Working Temperature Range	from -15 to +50 °C — if drive is installed indoors; from -5 to +50 °C — if drive is installed outdoors; from -30 to +50 °C — with drive and side frame heating systems no windows in use for -5 °C and lower
Control unit	painted steel housing (stainless steel optional); size — 250 × 450 × 140 mm for 0.75kW and 1.5kW motors; size — 250 × 490 × 140 mm for 2.2kW motors; protection — IP 54
Operator	supply voltage — 220-240 V / 50-60 Hz; power — 0.75kW, 1.5kW or 2.2kW; protection — IP54; limit positions by absolute encoder
Safety	door meets European Standard EN 13241 CN; one pair of photocells installed 500 mm from floor level; wireless safety edge (optional); anti jamming sensor (optional); transparent window (optional, unavailable for cold storages); flashing light; siren (optional)
Operating Life	1 500 000 cycles

\* Wind speed is given for closed door.

\*\* Max opening speed depends on door size and local wind conditions.

# SPECIFICATIONS

## SPEEDFOLD SDFS/SDFB



	DoorHan Servo
Maximum Size, W × H	12000 × 7000 mm
Wind Load*	EN12424 for doors W × H 3000 × 3000 mm — Class 4; W × H 5000 × 5000 mm — Class 3; W × H 8000 × 7000 mm — Class 2; W × H 12000 × 7000 mm — Class 1
Opening Speed**	up to 5000 × 5000 mm — 1.0 m/s; up to 12000 × 7000 mm — 0.5 m/s
Closing Speed	0.5 m/s (can be set the same like opening speed)
Working Temperature Range	from -15 to +50 °C — if drive is installed indoors; from -5 to +50 °C — if drive is installed outdoors; from -30 to +50 °C — with drive and side frame heating systems no windows in use for -5 °C and lower
Control unit	painted steel housing (stainless steel optional); size — 250 × 450 × 140 mm for 1.5kW motors; size — 250 × 490 × 140 mm for 2.2kW motors; protection — IP 54
Operator	supply voltage — 220-240 V / 50-60 Hz; power — 2.2kW; protection — IP54; limit positions by absolute encoder
Safety	door meets European Standard EN 13241 CN; one pair of photocells installed 500 mm from floor level; wireless safety edge (optional); transparent window (optional, unavailable for cold storages); flashing light; siren (optional)
Operating Life	1 500 000 cycles

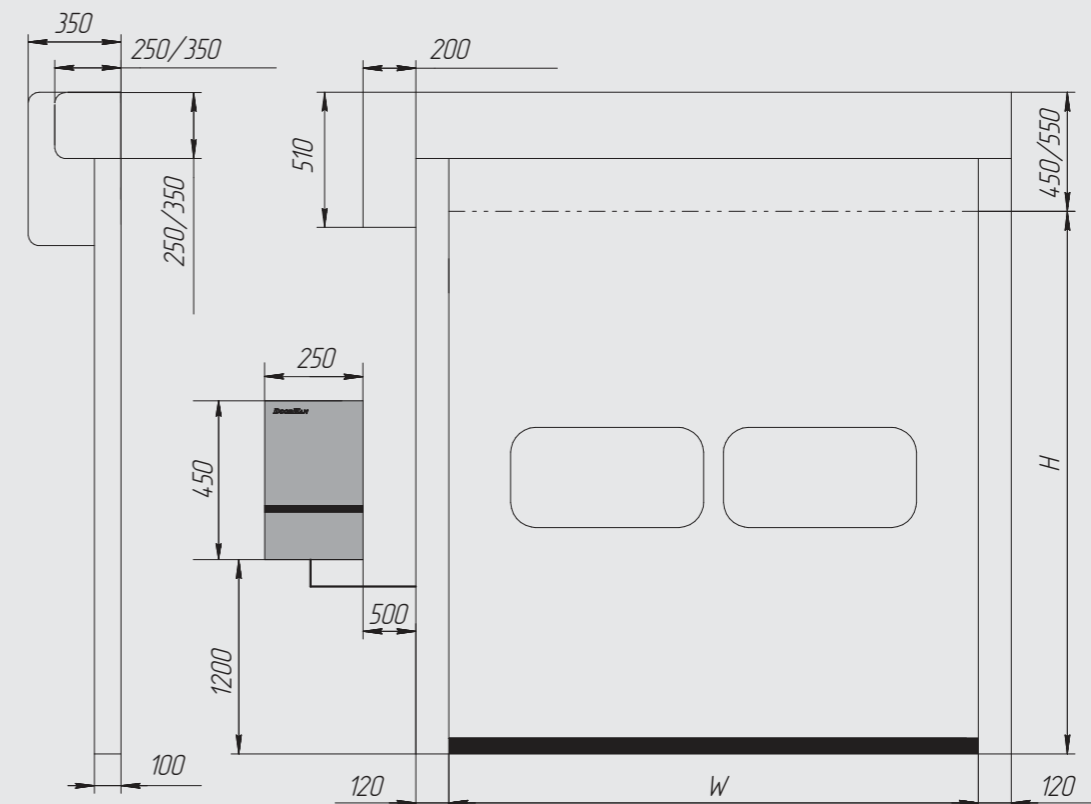
\* Wind speed is given for closed door.

\*\* Max opening speed depends on door size and local wind conditions.

# MOUNTING CLEARANCES

## SPEEDROLL SDI

Side motor



## SPIRAL DOOR HSSD



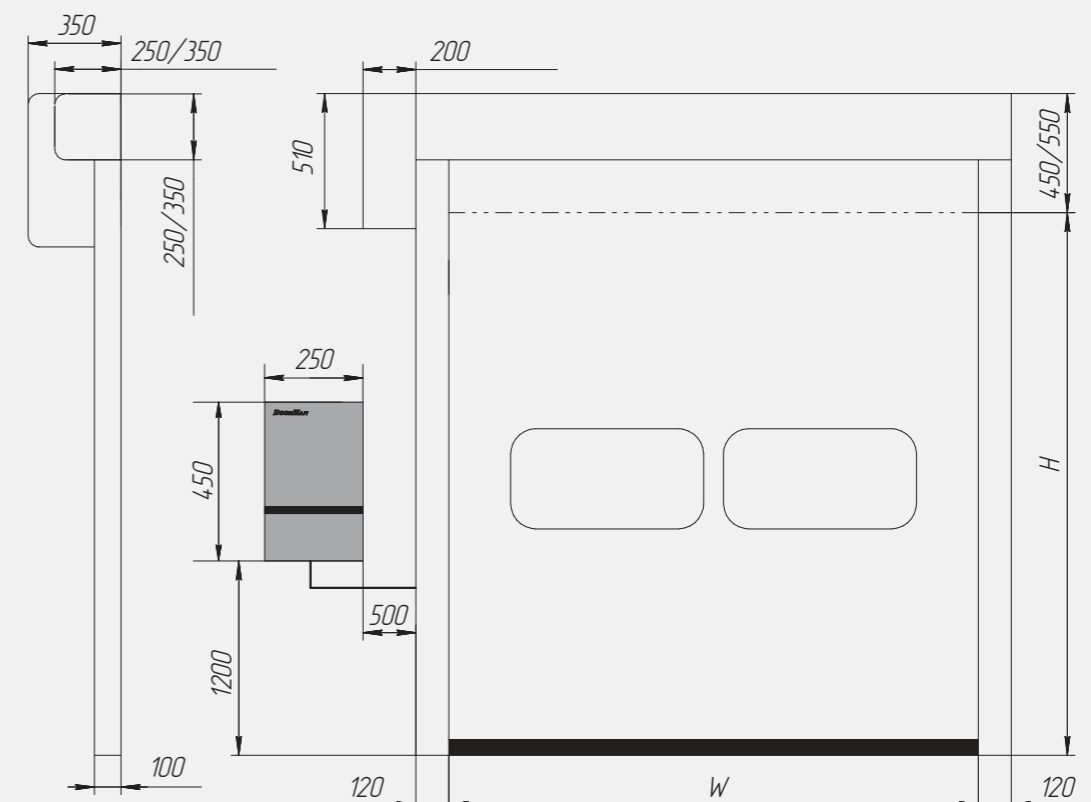
Maximum Size, W × H	8000 × 9000 mm
Wind Load*	EN12424 for doors W × H 3000 × 3000 mm — Class 3; W × H 6000 × 6000 — Class 2
Opening Speed**	up to 1.5 m/s*
Closing Speed	0.8 m/s (can be set the same like opening)
Working Temperature Range	from -15 to +50 °C -- if drive is installed indoors; from -5 to +50 °C -- if drive is installed outdoors;
Control unit	painted steel housing (stainless steel optional); size — 250 × 450 × 140 mm for 0.75kW and 1.5kW motors; size — 250 × 490 × 140 mm for 2.2kW motors; protection — IP 54
Operator	supply voltage 240 V / 50-60 Hz; servo motor with power 0.75–1.5 kW; 400 V / 50-60 Hz; protection — IP54
Safety	door meets European Standard EN 13241 CE; two pair of photocells installed 400 mm and 900 mm from the floor level; when doors soft bottom edge impacts an object while closing the door, sensor sends a radio signal to the control box and the door immediately opens (optional); winter auto run function; partial opening function; flashing light; light barrier 1500 mm height (optional); siren (optional)
Operating Life	1 500 000 cycles

\* Wind speed is given for closed door.

\*\* Max opening speed depends on door size and local wind conditions.

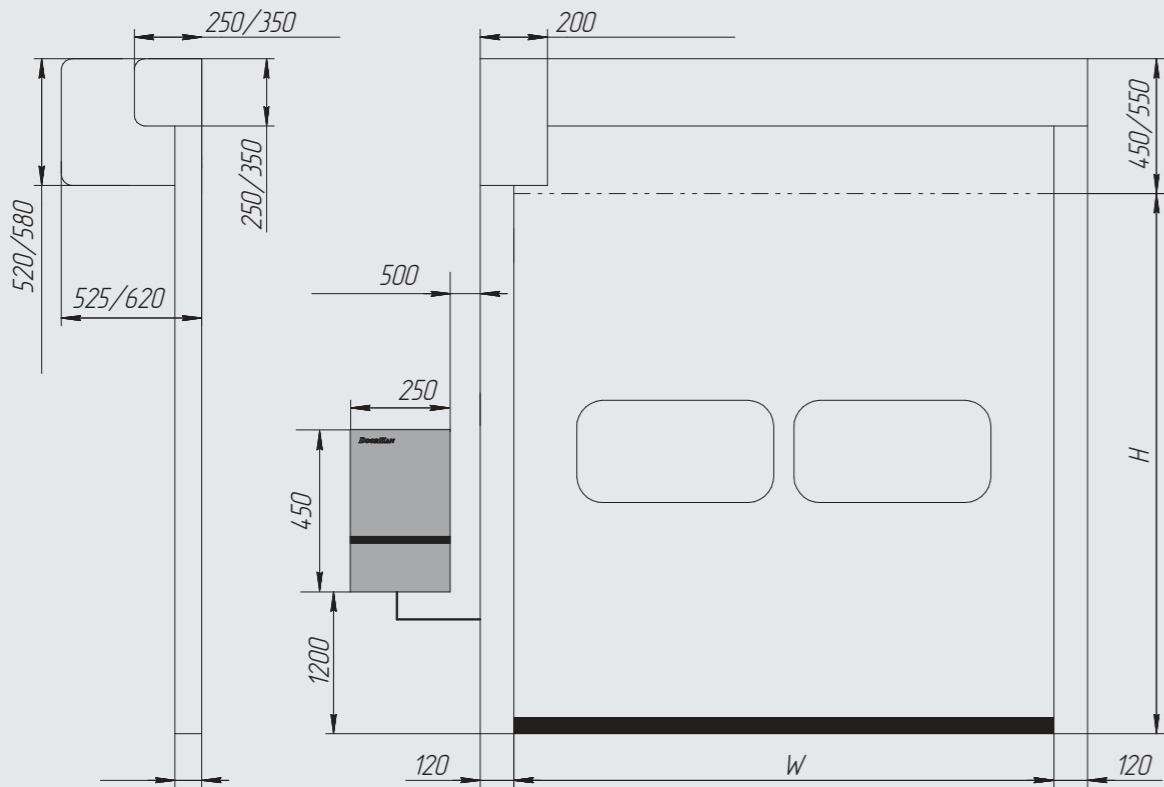
## SPEEDROLL SDO

Side motor



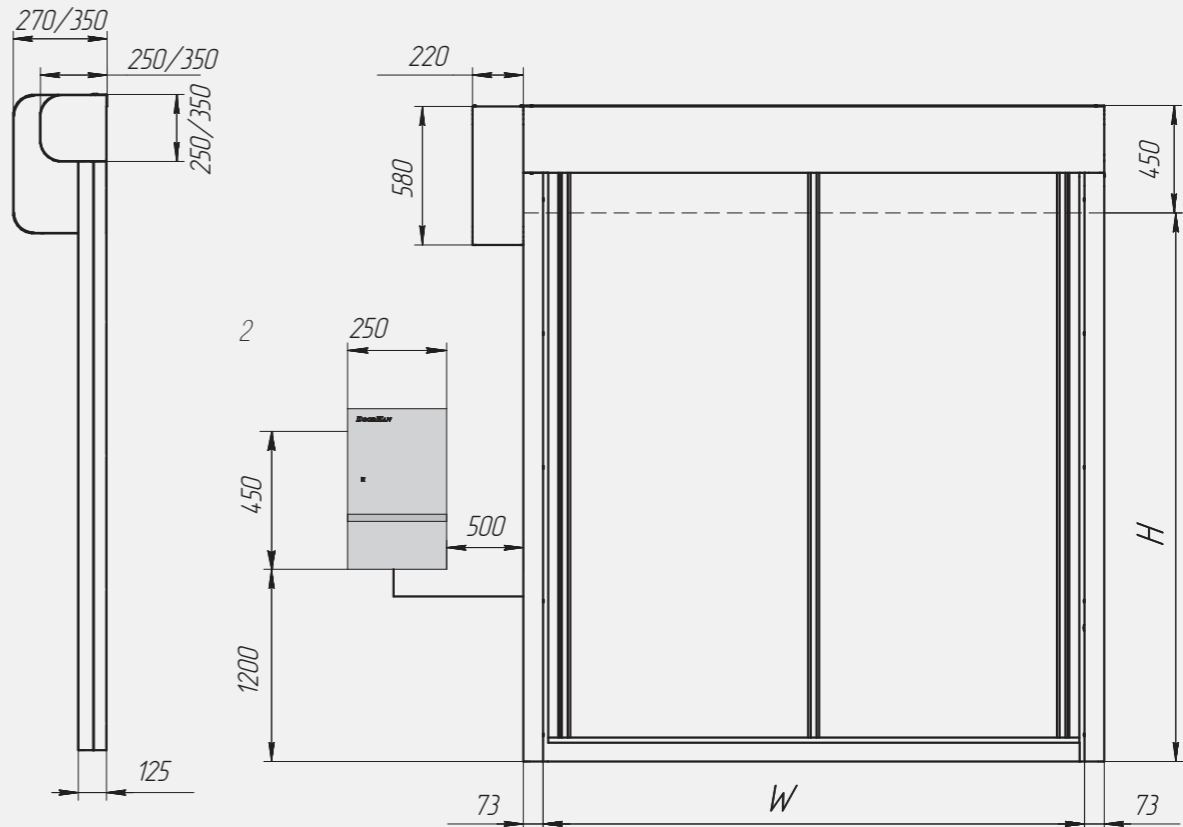
# MOUNTING CLEARANCES

**SPEEDROLL SDI**  
Front motor

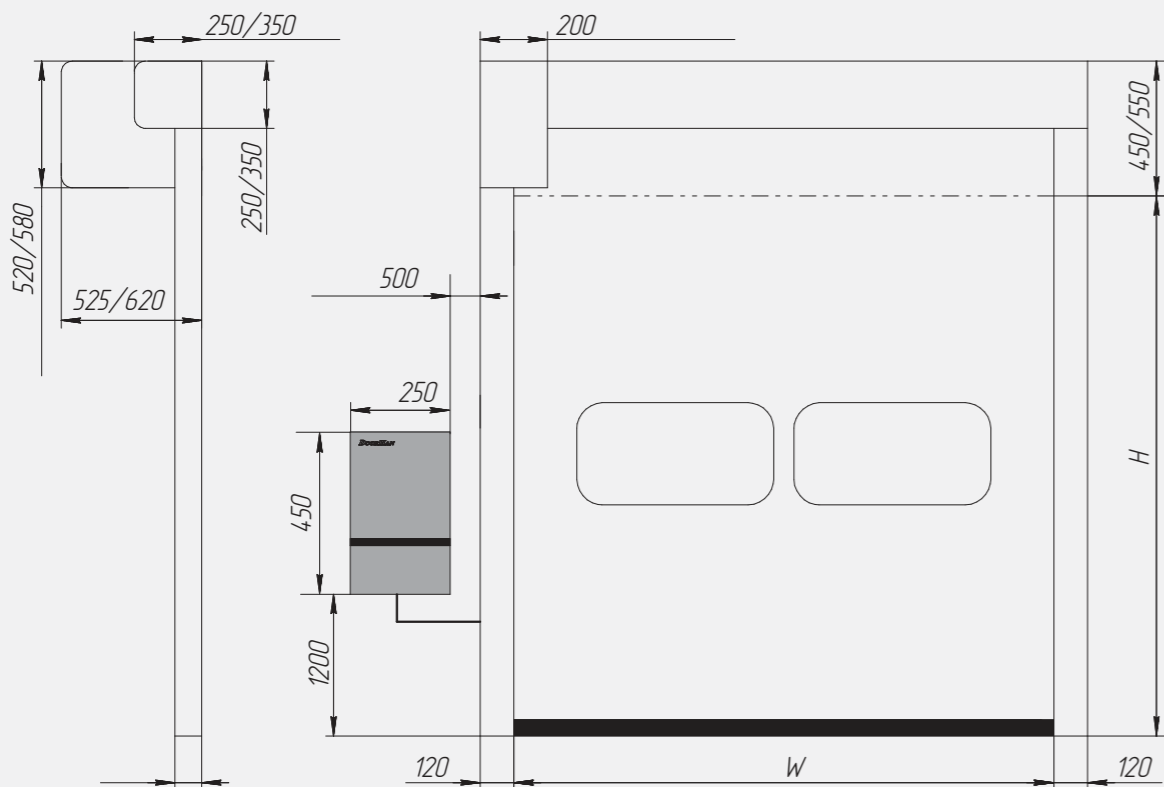


# MOUNTING CLEARANCES

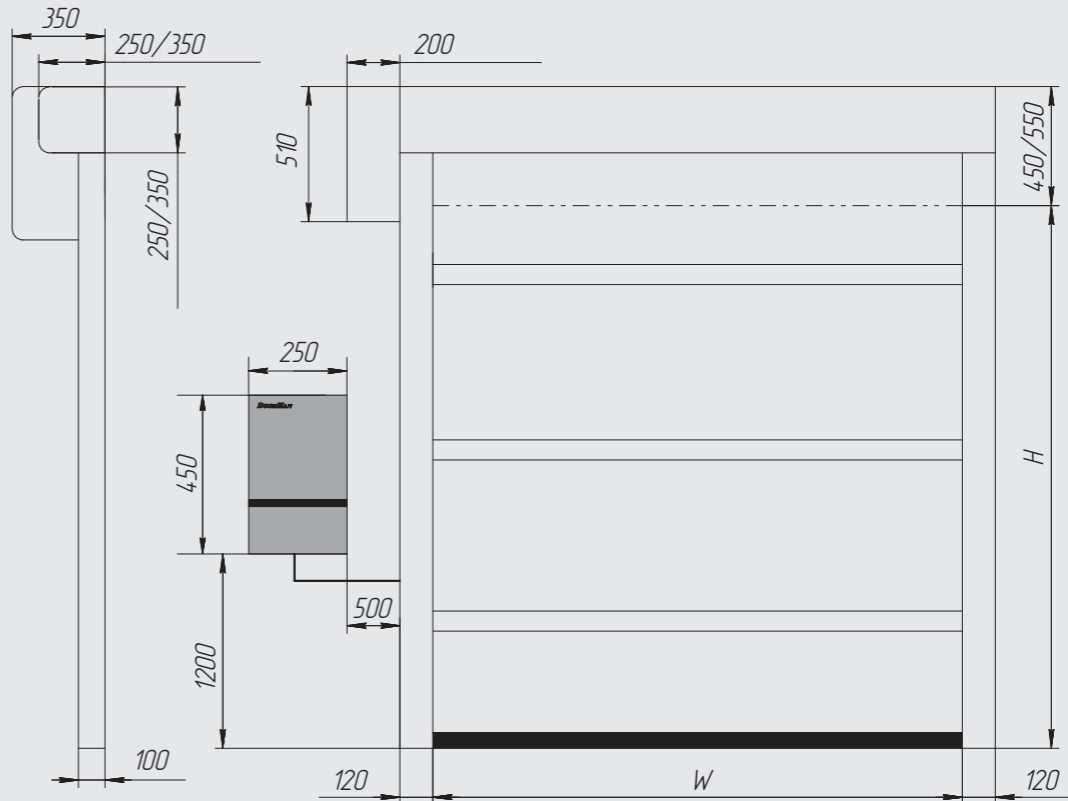
**SPEEDROLL SDF**  
Side motor



**SPEEDROLL SDO**  
Front motor



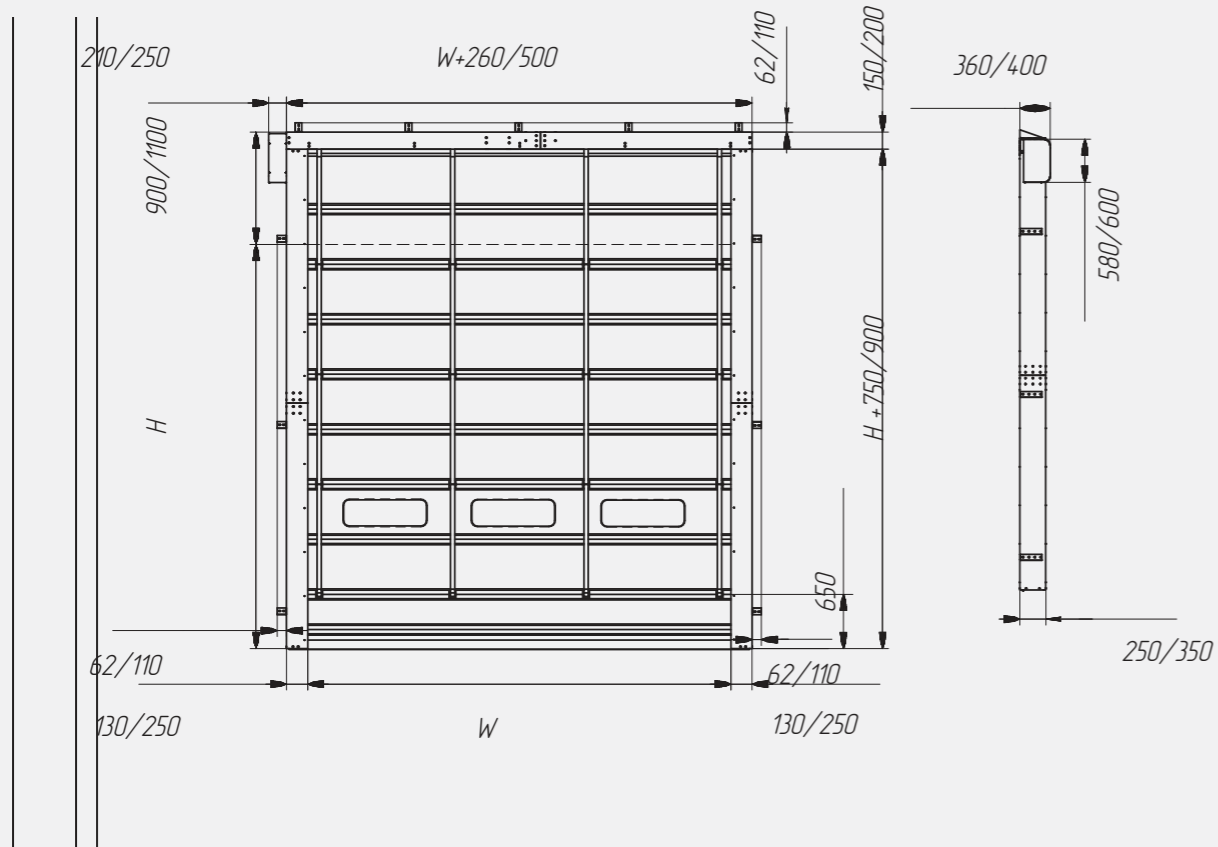
**SPEEDROLL SDA**  
Side motor



# MOUNTING CLEARANCES

## SPEEDFOLD SDFS / SDFB

Side motor



## NOTICE:

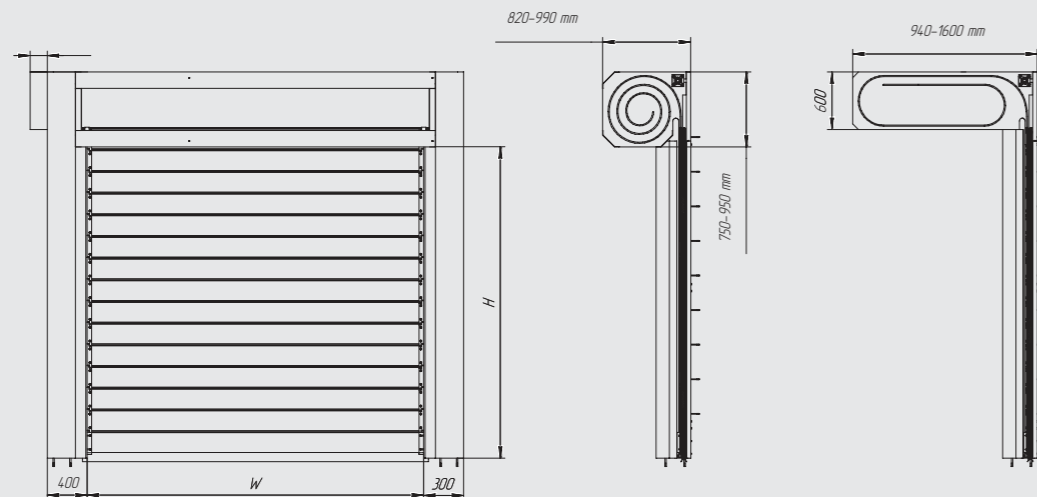
Resistance to wind load for doors series SPEEDROLL specified for doors in closed position. Doors must not be used in places with unstable and high wind load caused by natural or man-made factors, such as:

- buildings which create a tunnel effect;
- buildings located at the sea front or in the mountains;
- multi-level heated underground parking, parking lots with many entrances and exits;
- production sites with a powerful supply and exhaust of ventilation;
- buildings with many door openings, causing strong draught environment.

If one or more of the above factors are present, it is recommended to use the SpeedFold series door or the HSSD series.

## SPIRAL DOOR HSSD

Depend on door size







### RUSSIA. MOSCOW

Production:

- door systems
- rolling shutters
- loading dock equipment
- aluminium profile systems
- automation systems
- painted aluminium and steel coils



### RUSSIA. MOZHAYSK

Production:

- metal structures
- modular buildings
- bridge structures
- roof and wall sandwich-panels with mineral wool core
- hot-dip galvanizing



### RUSSIA. NOVOSIBIRSK

Production:

- door systems
- metal structures
- modular buildings
- roof and wall sandwich-panels with mineral wool and PIR core
- fence systems
- bridge structures



### RUSSIA. VORONEZH

Production:

- mineral wool plates
- metal structures
- modular buildings
- roof and wall sandwich panels with mineral wool and PIR core, PIR-plates
- acoustic barrier panels



### RUSSIA. KAZAN

Production:

- metal structures
- mineral wool plates



### RUSSIA. SAINT-PETERSBURG

Production:

- roof and wall sandwich-panels with mineral wool and PIR core
- paints and varnishes production
- PIR/PUR components production



### RUSSIA. OSTASHKOV

Production:

- steel entrance doors
- wall sandwich-panels with mineral wool core



### CZECH REPUBLIC. KADAN

Production:

- door systems



### CHINA. SUZHOU

Production:

- door systems
- loading dock equipment
- electromechanical and microelectronic products



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