



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.





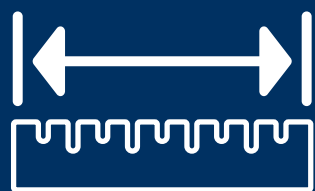
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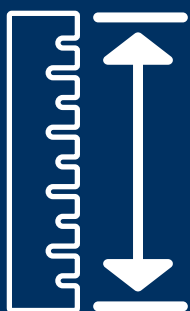
DOORHAN[®]

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 = 90/140 mm;
track guides — extruded polyethylene;
curtain — polyester material covered with PVC, 900 g/m² density, PVC thickness 0.9 mm*;
vision panels — 1 mm thick transparent PVC (optional).

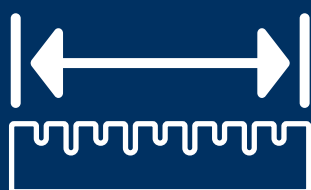
* The actual thickness is from 0.8 to 0.9 mm.



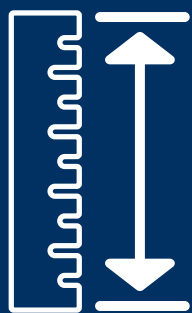
DoorHAN[®]

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 $D = 90/140$ mm;
track guides — extruded polyethylene;
curtain — polyester material covered with PVC, 900 g/m^2 density, PVC thickness 0.9 mm^* ;
vision panels — 1 mm thick transparent PVC (optional).

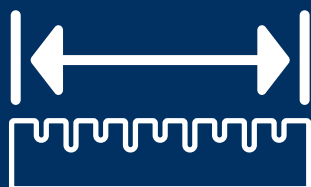
* The actual thickness is from 0.8 to 0.9 mm .



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 = 90/140 mm;
track guides — extruded polyethylene;
curtain — polyester material covered with PVC, 900 g/m² density, PVC thickness 0.9 mm*;
vision panels — 1 mm thick transparent PVC (optional).

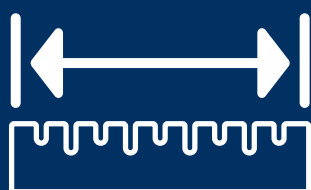
* The actual thickness is from 0.8 to 0.9 mm.



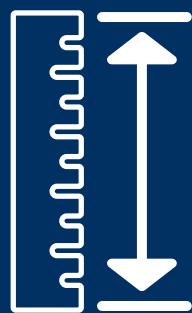
DoorHAN[®]

SPEEDFOLD SDF

PROVEN QUALITY



WIDTH:
2 000–12 000 MM



HEIGHT:
2 000–7 000 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/m² density, PVC thickness 0.9 mm*;
vision panels — 1 mm thick transparent PVC (optional);
the door opening is provided by belts system.

* The actual thickness is from 0.8 to 0.9 mm.



DESIGN

Standard colours of high speed
door PVC curtain





RAL 9010 white

RAL 6026 green

RAL 5002 blue

RAL 3002 red

RAL 1003 yellow

RAL 9006 silver

RAL 2004 orange

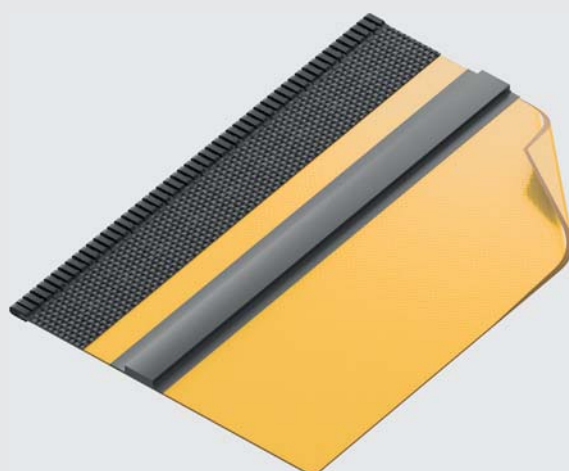
FEATURES

High-speed roll-up door





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 the door curtain comes off of the track (for example, in the event of impact with a forklift) the system will guide the curtain back into the tracks 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 polyester material covered with PVC (900–1 200 g/m²) 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.

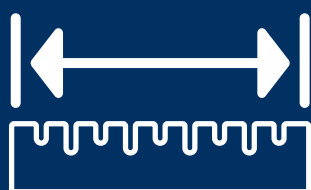


220-380V Doorhan high speed motor with high working intensity and for any door size.

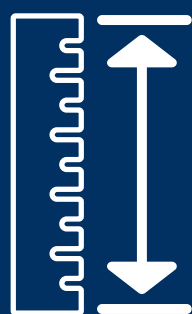
DoorHAN[®]

SPIRAL DOOR HSSD

HIGH SPEED OF OPERATION



WIDTH:
2 000–6 000 MM



HEIGHT:
1 800–6 000 MM



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


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




FEATURES

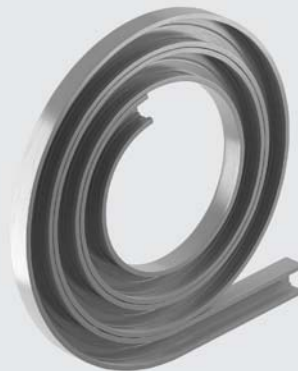
Spiral door HSSD




 PVC roller ensures movement in the guide




 Bottom rubber seal




 Spiral technology



 Aluminium guides



 Sandwich panel
Is made of aluminium thickness 0.7 mm with PU foam inside.
Dimensions: 185 × 40 mm.

STANDARD COLOURS OF HIGH SPEED SPIRAL DOOR

RAL 9003 white

RAL 5005 blue

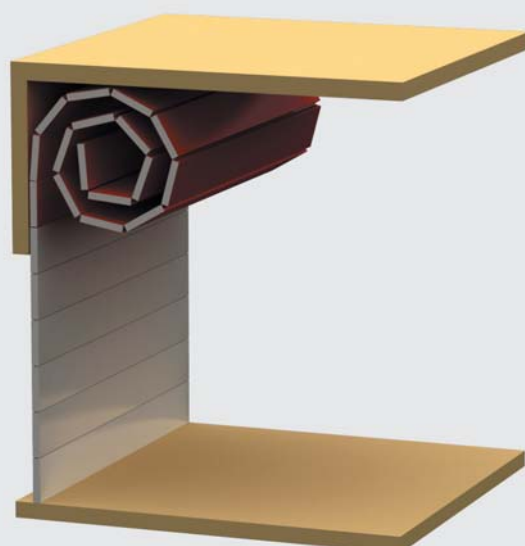
RAL 9006 gray

RAL 1036 gold

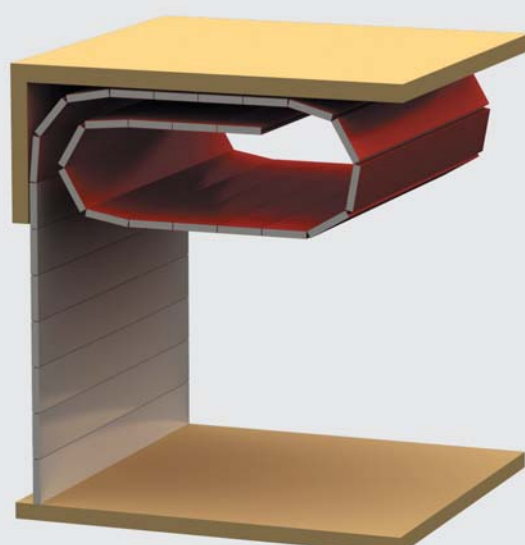
SPIRAL OPTIONS HORIZONTAL SPIRAL



SPIRAL OPTIONS ROUND SPIRAL



SPIRAL OPTIONS OVAL SPIRAL



 Window

 Window

SPECIFICATIONS

SPEEDROLL SDI



	DoorHan Motor	DoorHan Servo
Maximum Size, W × H	6 000 × 6 000 mm	
Wind Load*	EN12424 for doors W × H 3 000 × 3 000 mm — Class 3; W × H 5 000 × 5 000 mm — Class 2; W × H 6 000 × 6 000 mm — Class 1	
Opening Speed**	up to 3 000 × 3 000 mm — 2.0 m/s; up to 5 000 × 5 000 mm — 1.5 m/s; up to 5 800 × 6 000 mm — 1.0 m/s	up to 3 000 × 3 000 mm — 1.8 m/s; up to 5 000 × 5 000 mm — 1.2 m/s; up to 5 800 × 6 000 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 — 470 × 290 × 200 mm; protection — IP 54; frequency converter	painted steel housing (stainless steel optional); size — 450 × 280 × 140 mm; protection — IP 54
Operator	supply voltage — 220-240 V / 50-60 Hz; 380-400 V / 50-60 Hz; motor power — 1.5 kW; protection — IP 54; limit positions by encoder	supply voltage — 220-240 V / 50-60 Hz; power — 0.75kW, 1.5kW or 2.2kW; protection — IP 54; limit positions by 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 Motor	DoorHan Servo
Maximum Size, W × H	6 000 × 6 000 mm	
Wind Load*	EN12424 for doors W × H 3 000 × 3 000 mm — Class 3; W × H 5 000 × 5 000 mm — Class 2; W × H 6 000 × 6 000 mm — Class 1	
Opening Speed**	up to 3 000 × 3 000 mm — 2.0 m/s; up to 5 000 × 5 000 mm — 1.5 m/s; up to 6 000 × 6 000 mm — 1.0 m/s	up to 3 000 × 3 000 mm — 1.8 m/s; up to 5 000 × 5 000 mm — 1.2 m/s; up to 6 000 × 6 000 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 — 470 × 290 × 200 mm; protection — IP 54; frequency converter	painted steel housing (stainless steel optional); size — 450 × 280 × 140 mm; protection — IP 54
Operator	supply voltage — 220-240 V / 50-60 Hz; 380-400 V / 50-60 Hz; motor power — 1.5 kW; protection — IP 54; limit positions by encoder	supply voltage — 220-240 V / 50-60 Hz; power — 0.75kW, 1.5kW or 2.2kW; protection — IP 54; limit positions by 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 SDF



	DoorHan Motor	DoorHan Servo
Maximum Size, W × H	4 000 × 4 000 mm	
Wind Load*	EN12424 for doors W × H 3 000 × 3 000 mm — Class 3; W × H 4 000 × 4 000 mm — Class 2	
Opening Speed**	up to 3 000 × 3 000 mm — 2.0 m/s; up to 4 000 × 4 000 mm — 1.5 m/s	up to 3 000 × 3 000 mm — 1.8 m/s; up to 4 000 × 4 000 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 — 470 × 290 × 200 mm; protection — IP 54; frequency converter	painted steel housing (stainless steel optional); size — 450 × 280 × 140 mm; protection — IP 54
Operator	supply voltage — 220-240 V / 50-60 Hz; 380-400 V / 50-60 Hz; motor power — 1.5 kW; protection — IP54; limit positions by encoder	supply voltage — 220-240 V / 50-60 Hz; power — 0.75kW, 1.5kW or 2.2kW; protection — IP54; limit positions by 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 storag es); 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.

NOTICE:

Resistance to wind load for doors series SpeedRoll while door 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.

SPECIFICATIONS

1.

SPEEDFOLD SDF



	DoorHan Motor	DoorHan Servo
Maximum Size, W × H	12000 × 7000 mm	
Wind Load*	EN12424 for doors W × H 3 000 × 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	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	painting steel housing (stainless steel optional); size — UPON REQUEST mm; protection — IP 54; frequency converter	painting steel housing (stainless steel optional); size — UPON REQUEST mm; protection — IP 54
	supply voltage — 220-240 V / 50-60 Hz; 380-400 V / 50-60 Hz; motor power — 3.0 kW; protection — IP54; limit positions by encoder	supply voltage —220-240 V / 50-60 Hz; power — 2.2kW; protection — IP54; limit positions by 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.

SPIRAL DOOR HSSD



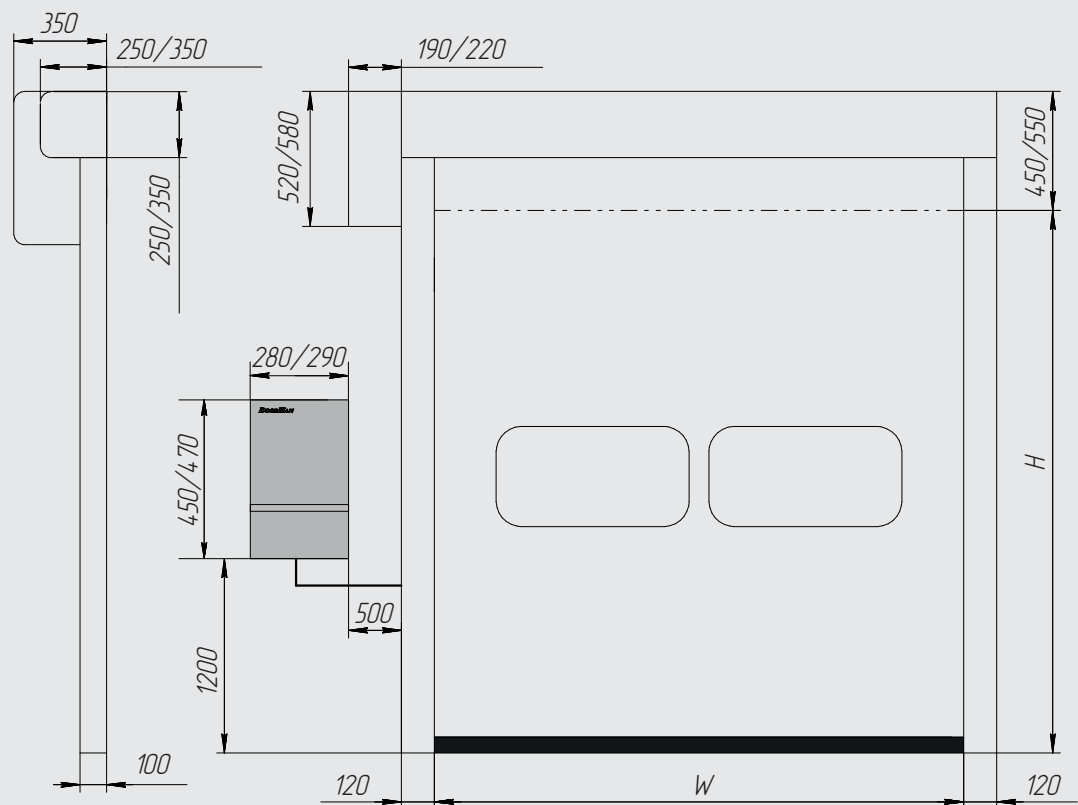
Maximum Size, W × H	6000 × 6000 mm
Wind Load*	EN12424 for doors W × H 3000 × 3000 mm — Class 3; W × H 6000 × 6000 — Class 2
Opening Speed**	up to 1.5 m/s*
Closing Speed	0.8 m/s (can be set the same like opening)
Working Temperature Range	from -15 to +70 °C — if drive is installed indoors; from -5 to +70 °C — if drive is installed outdoors; from - 35 to 70 °C — with drive and side frame heating systems
Control unit	control unit for Servo motor; painting steel housing; size — 370 × 250 × 135 mm; protection — IP54
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	3000 000 cycles

* Wind speed is given for closed door.

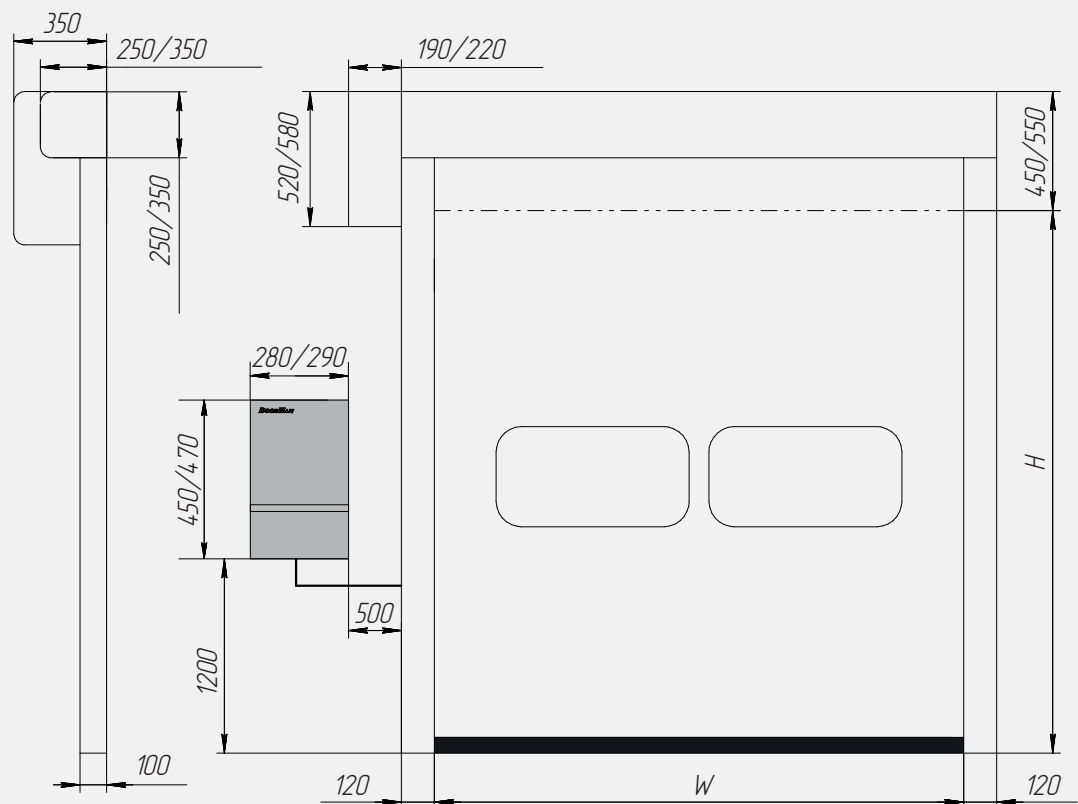
** Max opening speed depends on door size and local wind conditions.

MOUNTING CLEARANCES

SPEEDROLL SDI
Side motor

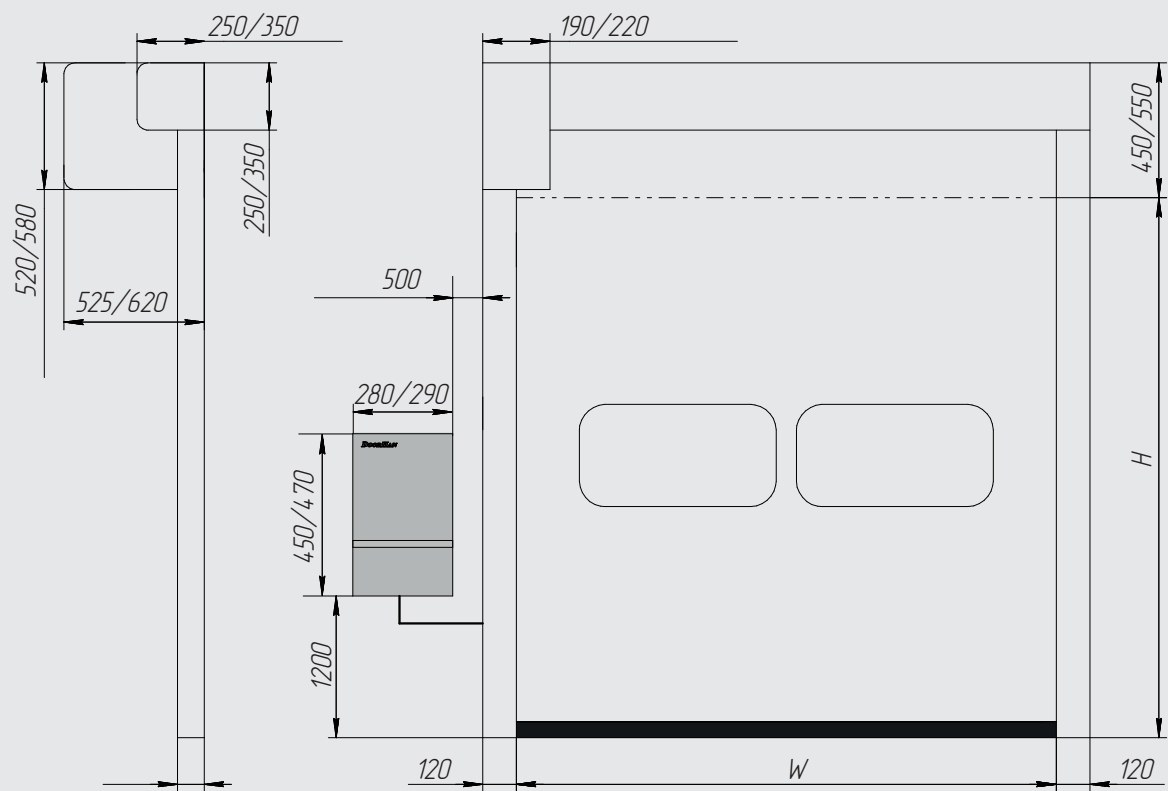


SPEEDROLL SDO
Side motor

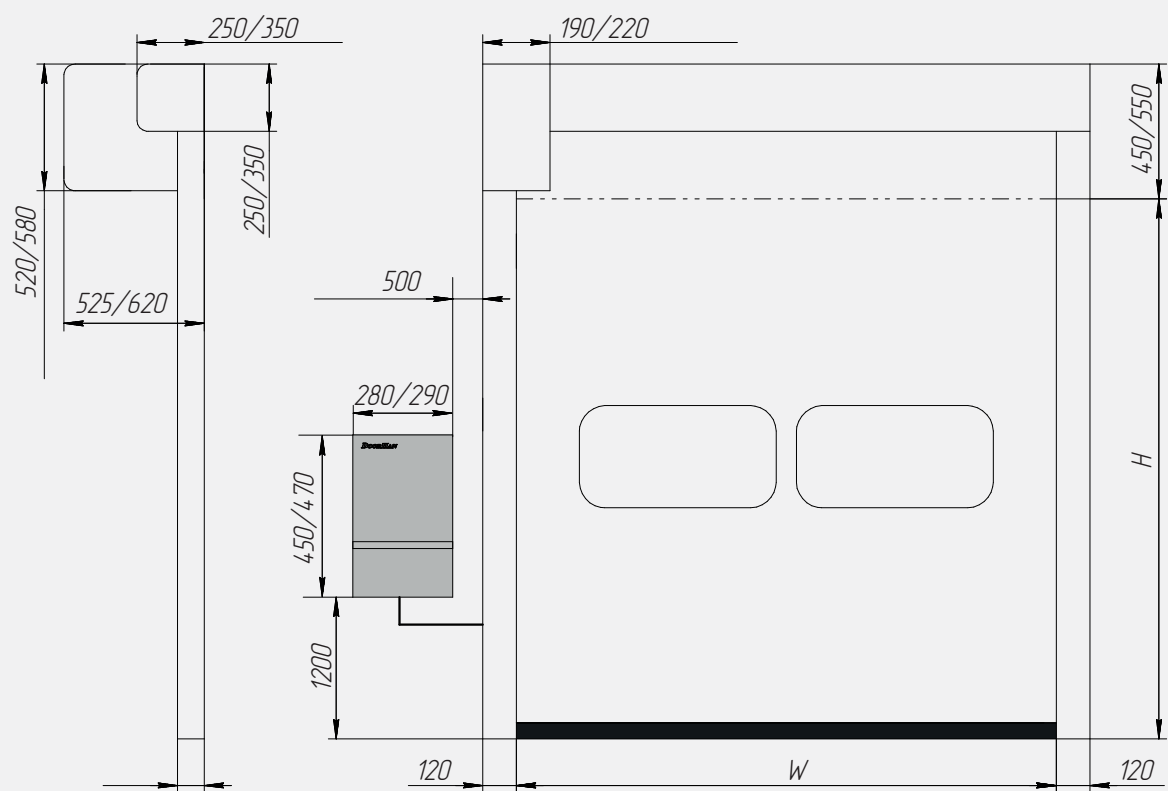


MOUNTING CLEARANCES

SPEEDROLL SDI
Front motor

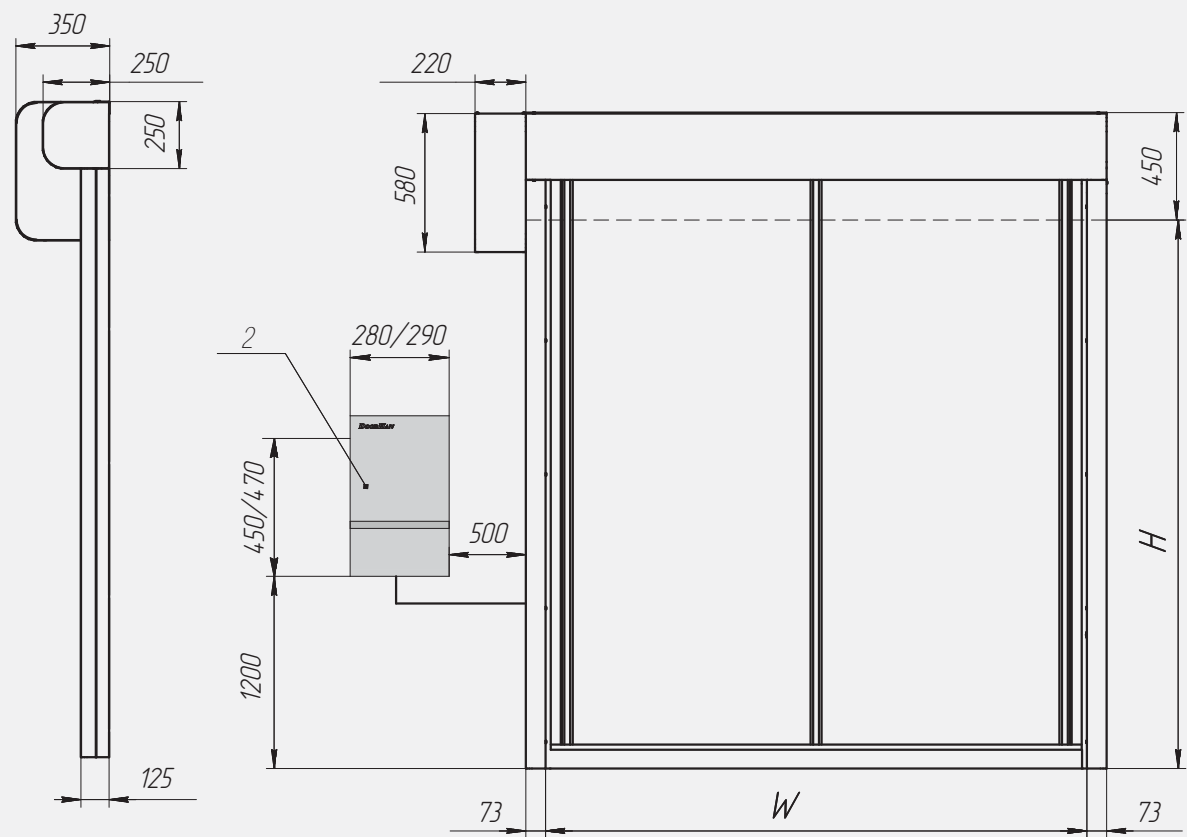


SPEEDROLL SDO
Front motor

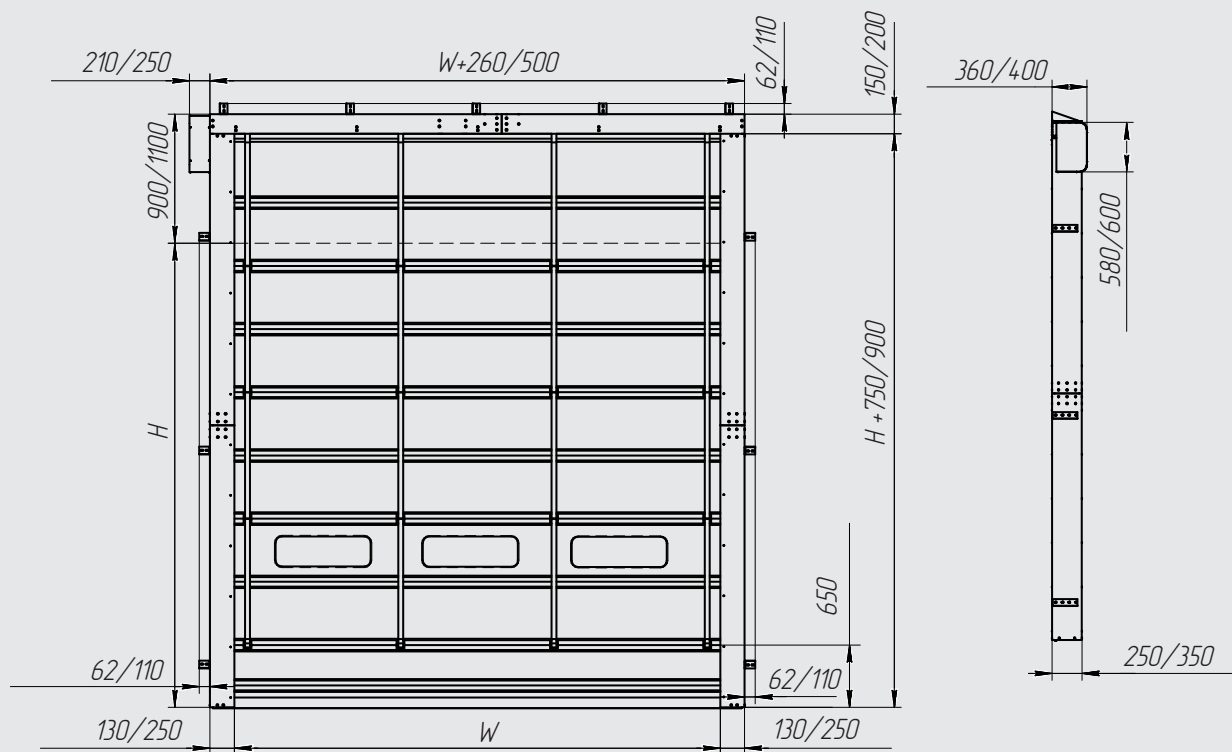


MOUNTING CLEARANCES

SPEEDROLL SDF
Side motor

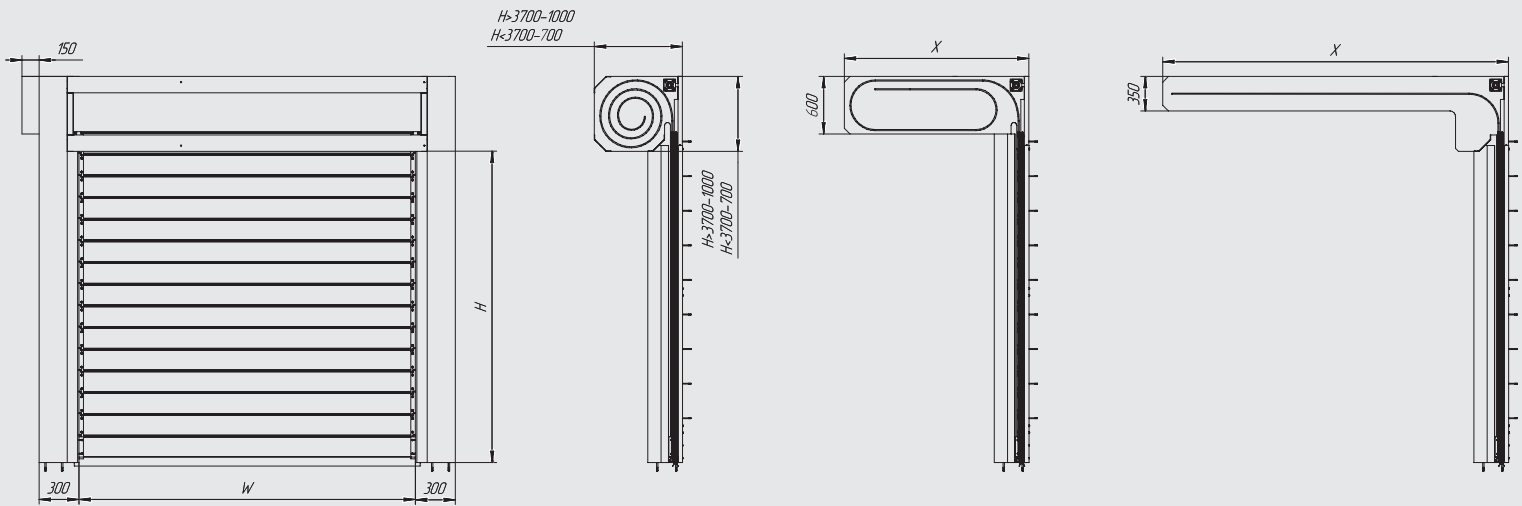


SPEEDFOLD SDF / SDF B
Side motor




SPIRAL DOOR HSSD

Depend on door size



NOTES

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