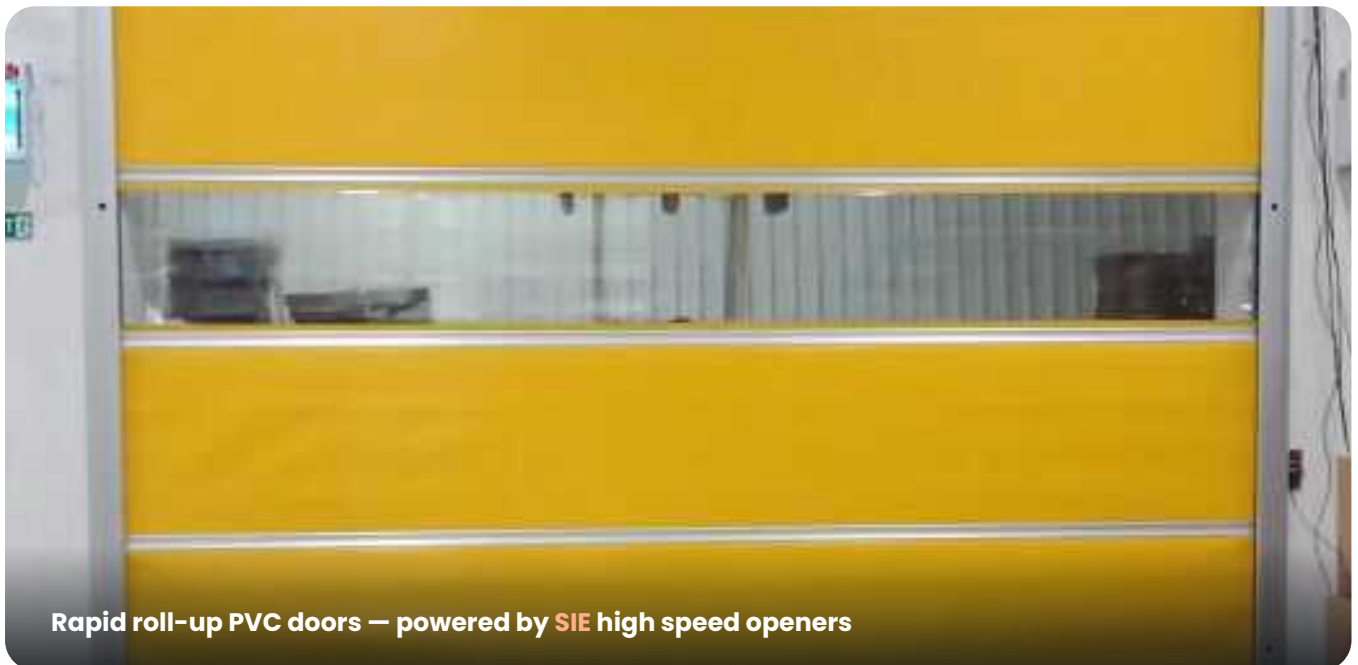


HIGH SPEED DOOR AUTOMATION

HIGH SPEED **DOOR OPENERS** HS Series

SIE-HS60 | SIE-HS80 | SIE-HS100 | SIE-HS150



Rapid roll-up PVC doors — powered by **SIE** high speed openers



HS Series opener with universal chain



Split control unit with display

30 m²

Max. door size — four models from 15 m²

90 r/min

High-speed output for rapid open/close

IP54

Encoder limits · overheat protection

The SIE HS Series

High-speed doors live or die by their opener. The **SIE HS Series** is engineered for rapid roll-up PVC doors and high-cycle rolling shutters — a 90 r/min high-speed output with 20 rotations on the output shaft, precise absolute-encoder electronic limits, and a split-type control unit with digital display that makes programming and fine-tuning effortless. Four models cover doors from 15 m² to 30 m², all running on convenient single-phase 220 V supply.

15–30 m²

Door Sizes Covered

90 r/min

High-Speed Output

220 V

Single Phase, 50 Hz

IP54

Protection Class

Key Features

High-Speed Output — 90 r/min

Rapid opening keeps traffic moving and conditioned air, dust and pests where they belong.

Absolute Encoder Limits

Electronic limit mechanism with absolute encoder — precise, repeatable stop positions, no mechanical drift.

Split Control Unit with Display

Wall-mounted controller with digital display, learn/enter programming keys and emergency stop.

Middle Limit & Step Function

Programmable mid-stop position and step-by-step operation for flexible traffic control.

Comprehensive Protection

Motor overheat protection, air-switch protection and infrared photocell input for safe operation.

Manual Hand Crank

Supplied hand crank operates the door during a power failure; universal chain style drive.

Applications

■ High-Speed PVC Roll-Up Doors

■ Warehouses & Logistics

■ Cold Storage

■ Food Processing

■ Pharma & Clean Rooms

■ Automotive Plants

■ Loading Bays



SIE high speed PVC door — production area



SIE HS opener — side-mount with chain drive

Four Models by Door Size

SIE-HS60	SIE-HS80	SIE-HS100	SIE-HS150
Max. Door Size 15 m²	Max. Door Size 18 m²	Max. Door Size 25 m²	Max. Door Size 30 m²
Kit Weight 22 kg	Kit Weight 22 kg	Kit Weight 25 kg	Kit Weight 25 kg
Ideal For Small bays	Ideal For Standard doors	Ideal For Large doors	Ideal For Extra-large doors

Technical Specifications

PARAMETER	SIE-HS60	SIE-HS80	SIE-HS100	SIE-HS150
Max. Door Size	15 m ²	18 m ²	25 m ²	30 m ²
Input Voltage	220 V · Single Phase · 50 Hz (Euro plug supplied)			
Rated Power	on request	on request	1500 W	on request
Start-Up Torque	on request	on request	100 N·m	on request
Output Speed	90 r/min · 20 rotations on the output shaft			
Limit System	Absolute encoder — electronic limit mechanism (middle limit & step function)			
Control	Split-type control unit with digital display, learn/program keys & emergency stop			
Protection	Motor overload · air switch · infrared photocell input			
Working Temperature	-20 °C ~ +45 °C			
Protection Class	IP54			
Kit Weight	22 kg	22 kg	25 kg	25 kg

Selection: choose by door curtain area (width × height). For intensive-cycle or oversized doors, consult our engineers for the right model and spring/counterweight configuration.



Opener with manual chain & release



High speed control unit — digital display

Everything in the Box

Every SIE HS opener ships as a complete two-box kit — motor unit plus control system — so installation starts the moment it arrives on site. Remote transmitters and industrial push buttons are available as optional extras.



SIE HS Series complete kit — opener, control unit, push-button station, hand crank and mounting hardware (remote transmitters optional)

- ✓ High speed door opener — 1 pc
- ✓ Button-type switch with 5 m cable
- ✓ Manual hand crank — 1 pc
- ✓ Installation & user manual
- ✓ Split control unit with display — 1 pc
- ✓ Single-phase Euro plug lead
- ✓ Mounting bracket, glands & fasteners

Box weights (HS100): opener box 28.71 kg · control unit box 7.21 kg.

Control Unit Highlights

Digital Display Programming

LEARN / ENTER / FWD / REV keys with live display — set limits, speeds and functions in minutes.

Emergency Stop & Interlocks

Front-panel mushroom E-stop; inputs for infrared photocells and safety devices.

Step & Middle-Limit Modes

Step-by-step operation and a programmable partial-open position for pedestrian or forklift traffic.



SIE high speed control unit

Optional Accessories

- Remote Transmitters
- Industrial Push Button (wired)
- Radar Motion Sensor (up to 4 m)
- Safety Edge — Wired / Wireless
- PVC Safety Edge Tube
- Loop Detector — 1 & 2 Channel
- Loop Fence Wire
- Photocells — Wired / Wireless

Safety & Activation Accessories



Radar motion sensors — black & silver, mounting up to 4 m



Radar sensor kit with cable & fixings



Infrared safety photocell

Radar Motion Sensor

Automatic hands-free opening for vehicles and pedestrians; mounts above the door at up to 4 m height.

Safety Edge — Wired / Wireless

Pressure-sensitive bottom edge stops and reverses the curtain on contact; PVC edge tube supplied per metre.

Loop Detectors — 1 & 2 Channel

In-ground induction loops open the door for vehicles automatically; loop fence wire in 50 m bundles.

Photocells, Remotes & Buttons

Wired or wireless IR photocells, 433.92 MHz remote transmitters and heavy-duty wired industrial push buttons.

Recent Installations



High speed PVC door — logistics facility



Industrial shed — navy blue curtain



Production area — red curtain with vision panel



Clean room — transparent PVC curtain

Complete high speed doors also available

SIE supplies complete rapid PVC roll-up doors — curtain, structure, opener and safety accessories — engineered to your opening size.

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Specifications are indicative and subject to change without notice as part of continuous product improvement. A separate price list is available on request from your SIE dealer.