

INDUSTRIAL DOOR AUTOMATION

DIRECT DRIVE **SERIES** Rolling Shutter Motors

SIE-DD260 | SIE-DD350 | SIE-DD500 | SIE-DD650



650 N·m

Max. rated torque — doors up to 1300 kg

IP54

Dust & splash protected, -20 °C to +45 °C

S1 Duty

Continuous-rated for high-cycle industrial use

Smart India Enterprises

Founded in 1980 as part of the MK family, **Smart India Enterprises (SIE)** is an entrance-automation specialist with over 45 years of engineering heritage. We design, install and service automated access solutions across 14 product lines — from rolling shutters and high-speed doors to boom barriers and dock levelers — backed by genuine spares and pan-India dealer support. Every SIE Direct Drive motor is supplied, commissioned and supported by our own trained network, so your doors keep moving, year after year.

45+

Years of Experience

2000+

Clients Served

45+

Cities Covered

14

Product Lines

Why Direct Drive?

A direct drive operator couples straight onto the shutter shaft — no external chain, no sprockets, no intermediate transmission. The result is a compact, quiet, low-maintenance drive with the safety brake and anti-fallback device built into the unit itself, ideal for heavy industrial rolling shutters and grilles.

Direct Shaft Coupling

Hollow-bore drive mounts directly on a 40 mm shutter shaft — clean installation with no chain transmission to align, tension or lubricate.

Integrated Brake + Anti-Fallback

Electromagnetic brake and built-in anti-fallback protection hold the curtain securely and prevent uncontrolled descent, even on power failure.

Manual Hand-Chain Override

Low-level de-clutch cords and geared hand chain allow smooth manual operation of the door during a power outage.

Precision Limit System

Reliable rotary limit switches give accurate, repeatable open and close positions with simple on-site adjustment.

Heavy-Duty 3-Phase Motor

380 V AC three-phase motor with S1 continuous duty rating — engineered for frequent, all-day industrial cycles.

Cool & Quiet Running

Finned aluminium motor body dissipates heat efficiently; operating noise stays at or below 55 dB.

Applications

■ Warehouses & Logistics Hubs

■ Factories & Industrial Sheds

■ Loading Bays

■ Showrooms & Shopfronts

■ Basement & Parking Entries

■ Cold Storage

■ Fire Stations

■ Aircraft Hangars

Four Models. One Platform.

The SIE Direct Drive Series spans 260 N·m to 650 N·m — covering rolling shutters from light commercial fronts to heavy industrial doors of 1300 kg. All models share the same 380 V AC three-phase platform, 40 mm hollow shaft, IP54 build and integrated safety brake.

SIE-DD260 260 N·m		SIE-DD350 350 N·m	
Motor Power	800 W	Motor Power	1000 W
Output Speed	12 r/min	Output Speed	12 r/min
Max. Door Weight*	520 kg	Max. Door Weight*	700 kg
Ideal For	Commercial shutters	Ideal For	Warehouse doors

SIE-DD500 500 N·m		SIE-DD650 650 N·m	
Motor Power	1200 W	Motor Power	1500 W
Output Speed	12 r/min	Output Speed	8 r/min
Max. Door Weight*	1000 kg	Max. Door Weight*	1300 kg
Ideal For	Industrial shutters	Ideal For	Heavy industrial doors

* Maximum lifter door weight with 100 mm drum diameter. See page 4 for the full drum-diameter capacity chart.



Side profile — hand chain & de-clutch cords



Front view — drive sprocket & manual chain



Supplied kit — motor, chain & accessories

Technical Specifications

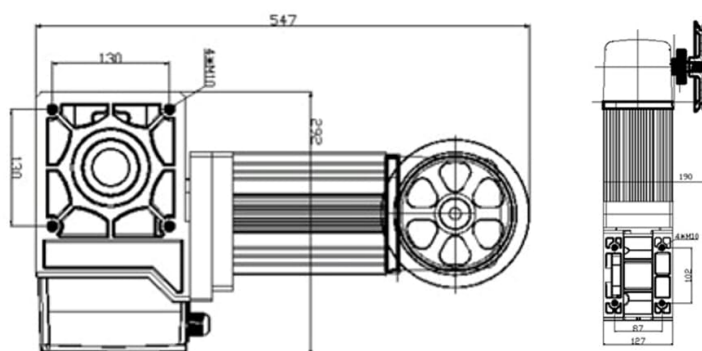
MODEL	VOLTAGE	POWER (W)	SPEED (r/min)	MOTOR TORQUE (N·m)	SHAFT DIA (mm)	DUTY CYCLE	NOISE	WORKING TEMPERATURE	PROTECTION CLASS
SIE-DD260	380 V AC	800	12	260	40	S1	≤ 55 dB	-20 °C ~ +45 °C	IP54
SIE-DD350	380 V AC	1000	12	350	40	S1	≤ 55 dB	-20 °C ~ +45 °C	IP54
SIE-DD500	380 V AC	1200	12	500	40	S1	≤ 55 dB	-20 °C ~ +45 °C	IP54
SIE-DD650	380 V AC	1500	8	650	40	S1	≤ 55 dB	-20 °C ~ +45 °C	IP54

Maximum Lifter Door Weight

Lifting capacity depends on the drum (barrel) diameter of the shutter: the larger the drum, the lower the effective lifting capacity. Select the model whose capacity at your drum size exceeds the door curtain weight with a suitable safety margin.

DRUM DIAMETER	SIE-DD260	SIE-DD350	SIE-DD500	SIE-DD650
100 mm	520 kg	700 kg	1000 kg	1300 kg
125 mm	416 kg	560 kg	800 kg	1040 kg
150 mm	346 kg	466 kg	666 kg	866 kg
200 mm	260 kg	350 kg	500 kg	650 kg

Machine Core Structure & Dimensions



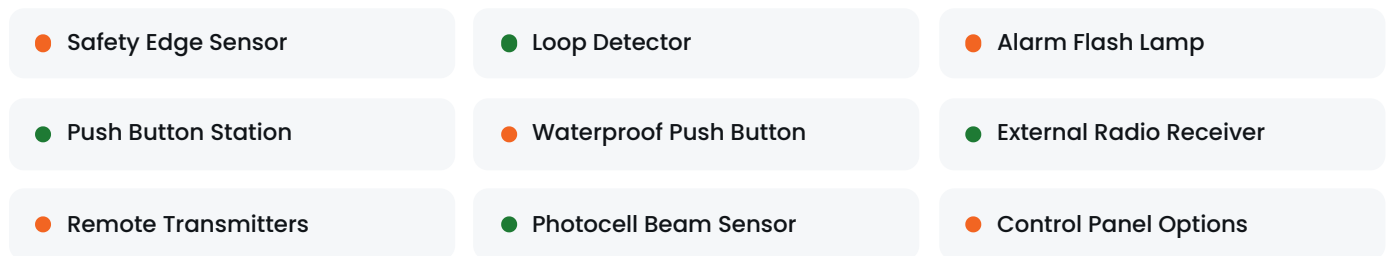
Key dimensions (mm): overall length 547 · height 292 · body width 190 / 127 · mounting plate 130 × 130 (4 × M10) · base fixing 87 × 102 · hollow shaft bore Ø40.

Optional Access-Control Integration

Every SIE Direct Drive operator can be integrated with modern access-control and smart-building systems, so the right people – and only the right people – open your doors.



Optional Accessories



Standard Package Contents

- ✓ Direct drive motor unit with integrated brake
- ✓ Manual override hand chain
- ✓ Limit switch assembly, factory fitted
- ✓ Control wiring loom
- ✓ Drive sprocket & transmission chain
- ✓ De-clutch pull cords (red / green handles)
- ✓ Mounting hardware & fasteners
- ✓ Installation & user manual

Installation & Support

SIE motors are installed and commissioned by trained technicians through our pan-India dealer network. Genuine spares, annual maintenance contracts and rapid service response are available for every unit we supply – because an automated door is only as good as the support behind it.

Not sure which model fits your door?

Share your door size, curtain weight and drum diameter – our engineers will size the right motor for you, free of charge.

+91 80808 07220

info@smartie.in



HEAD OFFICE

Smart India Enterprises

Jijamata Nagar, A-1 Bakery Road,
Goregaon West, Mumbai – 400 104, India

CALL US

+91 80808 07220

+91 76663 07880

EMAIL

info@smartie.in

WEB

www.smartie.in

PAN-INDIA DEALER NETWORK

Mumbai

Delhi

Bangalore

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India moves through our **GATES**

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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.