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PRODUCT CATALOG
2026 EDITION

HEAVY-DUTY SHUTTER DRIVES

Gear Box Shutter Motors

Compact wall-mount and heavy-duty gearbox motors for industrial and commercial rolling shutters — helical / worm gear drive, copper-wound motors, micro-switch limits and manual override. Made in India by SIE.



52 rpm
COMPACT OUTPUT

1200–2000
KGF·CM TORQUE

16×16 ft
SHUTTER SIZE



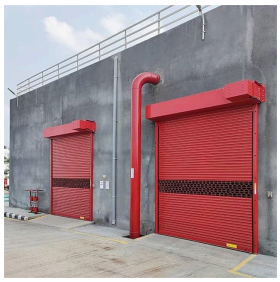
COMPACT MODEL



HEAVY-DUTY MODEL

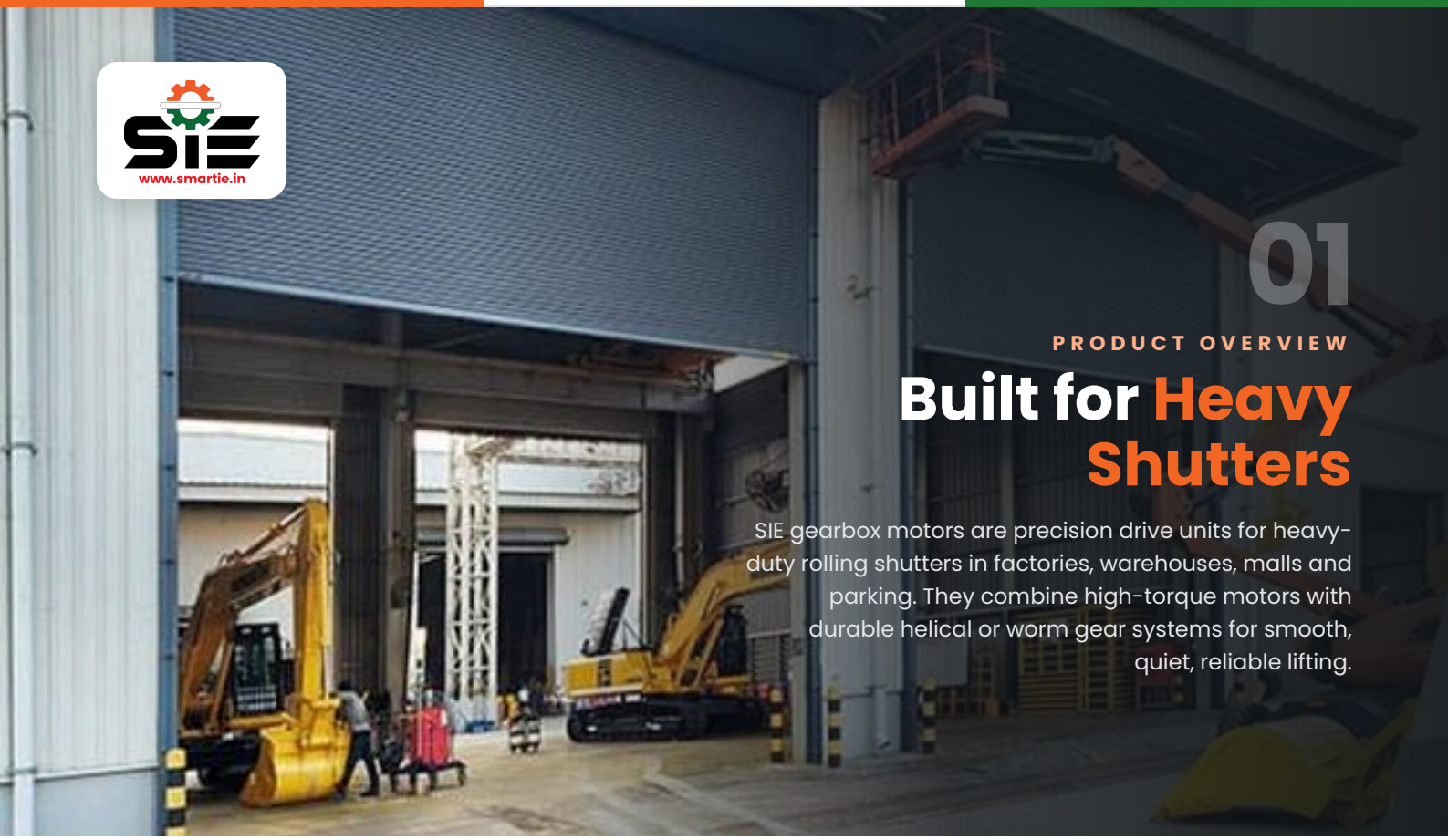


CONTROL PANEL



INDUSTRIAL SHUTTERS

Made in India • **100% copper winding** • **Manual override with lock** • **Indoor & outdoor** • **Custom sizes**



01

PRODUCT OVERVIEW

Built for Heavy Shutters

SIE gearbox motors are precision drive units for heavy-duty rolling shutters in factories, warehouses, malls and parking. They combine high-torque motors with durable helical or worm gear systems for smooth, quiet, reliable lifting.

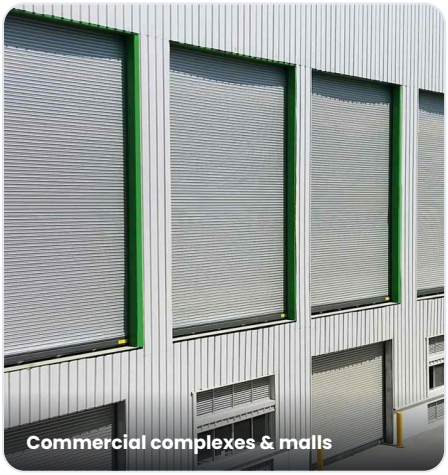
Compact & strong
Space-saving wall-mount gearbox with high torque output for large shutters.

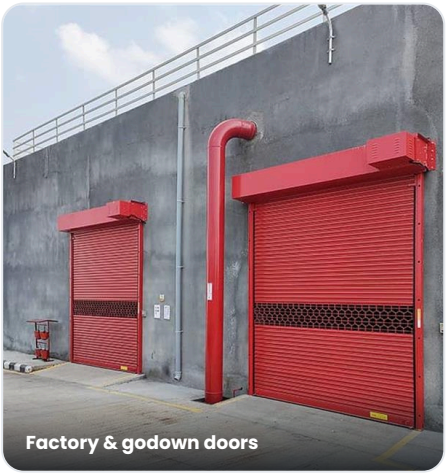
Reliable limits
Micro-switch limit control with progressive screw type adjustment.

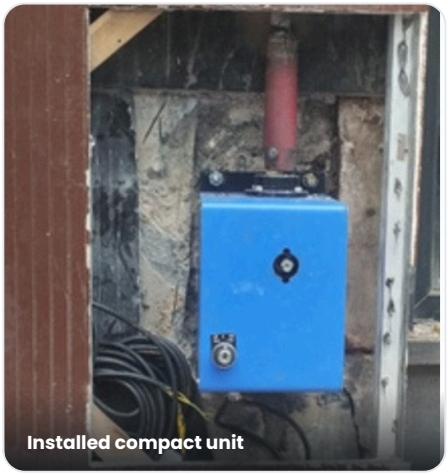
Silent gears
High-efficiency helical / worm gears for smooth, quiet running.

Manual override
Crank / hand operation with a secure lock cap during power cuts.

1.1 Where It Is Used


Commercial complexes & malls


Factory & godown doors


Installed compact unit

1.2 Range at a Glance

2	52–55	16×16 ft	1 HP
GEARBOX MODELS	OUTPUT RPM	COMPACT MODEL MAX	HEAVY-DUTY 3-PHASE

02

MODEL 1 · COMPACT

SIE-GB52

Compact wall-mount gear motor for shutters up to 16 ft × 16 ft. Helical spur gears, 100% copper winding and a lockable manual-operation cap.



52 rpm OUTPUT

1200 KGF·CM TORQUE

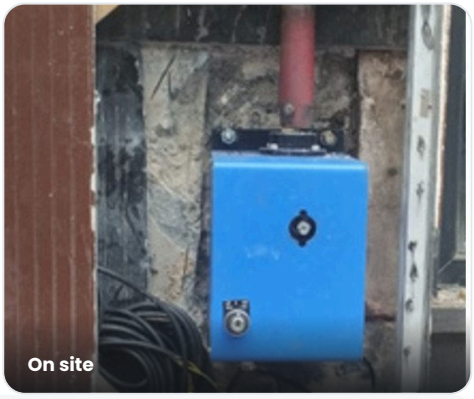
230 V SINGLE PHASE

2.1 Technical Specification

Overall size	L 210 × W 170 × H 220 mm (from wall)
Bottom bracket	W 170 × L 265 mm
Gear drive	Helical spur gears
Output / motor speed	52 rpm / 1400 rpm
Torque	1200 Kgf·cm
Supply	230 V AC, 50 Hz · 1.1 A
Winding	100% copper
Limit switch	DVR-5 micro type, progressive screw
Max shutter size	Up to 16 ft × 16 ft
Operation	Electrical + manual (lockable cap)
Electrical control	Key-type button with extension option



Front view


On site

Features

- Compact, space-saving wall-mount design
- Reliable micro-switch limit control
- Manual override with secure lock system
- Both-side manual operation possible
- Designed for indoor & outdoor installation

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03

MODEL 2 · HEAVY DUTY

SIE-GB55-3P

9-inch heavy-duty bevel / worm gearbox with a 1 HP three-phase motor for large industrial shutters. EN-8 tempered steel bevel gear and phosphor-bronze worm wheel.

55 rpm OUTPUT

2000 KGF·CM MAX

1 HP 415 V 3-PHASE

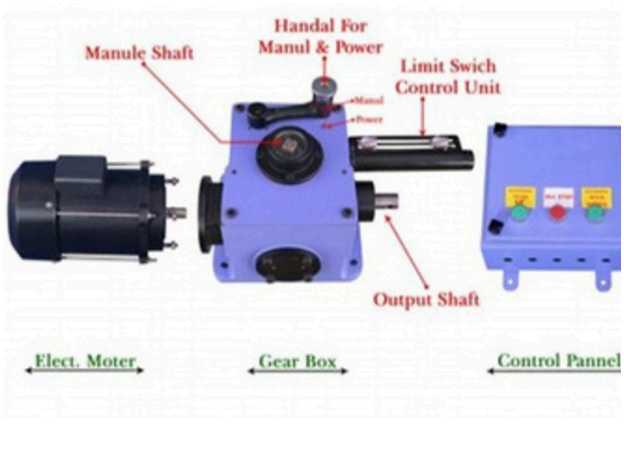


3.1 Gearbox

Gearbox size	225 × 225 × 225 mm (9″)
Foundation holes	152 × 197 mm, Ø12.5 mm
Reduction ratio	26 : 1
Output shaft	Ø24.5 mm · 55 rpm
Bevel gear	EN-8 tempered steel
Worm wheel	Phosphor bronze
Torque	1200 – 2000 Kgf·cm (as per motor)
Limit	Progressive screw, DVR-5 micro switch
Lubrication / duty	Grease · 60% door cycles
Speed / weight	3.5 m/min · 38 kg with motor
Manual operation	Crank handle

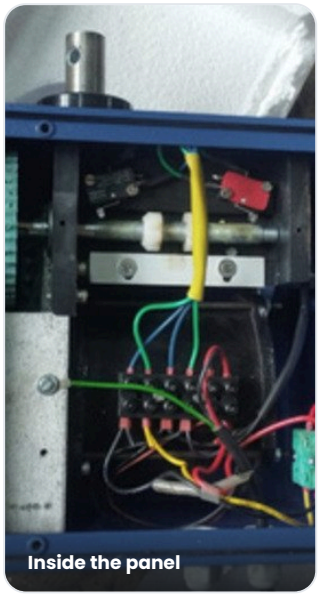
3.2 Motor (1 HP, 3-phase)

Power	0.75 kW (1 HP)
Speed	1410 rpm
Supply	415 V ±10%, 50 Hz ±5%
Current	1.8 A (star)
Frame	GD80M · B14 face mount
Protection	IP55, TEFC enclosure
Motor options	Leading Indian motor makes, as per order



ELECTRONIC CONTROL SYSTEM — Panels built and tested by SIE


Control panel


Inside the panel

SIE controllers include

- Electronic control panel with LED indicators
- Remote control operation (internal / external options)
- Manual switch controls for UP / DOWN / STOP
- Auto / manual operation lever
- Wi-Fi module — integrated unit

Why choose SIE

- Indian manufacturing — quality and durability assured
- Complete range: motors, gearboxes, panels and accessories
- Customised to shutter size and weight
- After-sales support and export packaging

4.1 Applications

Industrial shutters
Plants, workshops and heavy-duty openings.

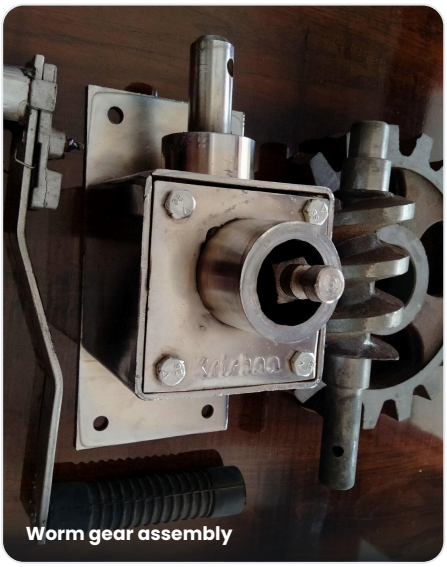
Malls & complexes
Shop fronts and service entries.

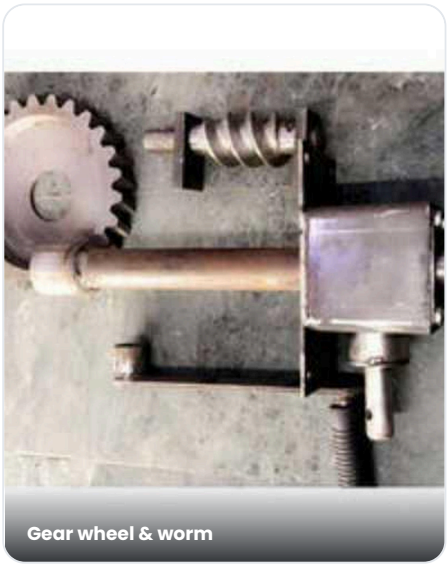
Warehouses
Loading bays and godown doors.

Parking
Car parking and garage shutters.

4.2 Gear Parts


Gearbox & crank set


Worm gear assembly


Gear wheel & worm

Heavy shutters, moved with ease.

SIE designs, manufactures and installs gearbox motors, centre motors, tubular motors and complete rolling shutter systems for industry and commerce across India.

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Specifications are indicative and may change without notice as part of continuous improvement. Product images are representative. Prices on the SIE price list; GST extra.

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