



**SIGMA**  
TRUSTED ELEVATOR COMPANY



**ESCALATOR & ELEVATOR CO. LTD**

# Green Technology

## Intelligent, Energy-Saving:

- E-Service with a full range of Elevator operation monitoring system.
- Intelligent Control Systems do periodic self examination, to prevent elevator malfunction.
- Objective layer selection system more optimized operating efficiency of the group Elevator.
- Permanent Magnet synchronous Elevator Drive technology, Energy saving of about 40% (Electricity).
- Super standby solutions & energy efficient lighting combinations.

## Lubrication Free

The gearless machine does not need any lubrication to maintain the machine. The gearless technology helps to save about 1,400 liters of oil through the life-time of the elevator.

## Interference Prevention

The control panel with EMI filter prevents interference for electrical facilities. The effect of EMI filter meets or exceeds the worldwide standards on exposure to electromagnetic radiation.



e\*route enables passengers to reach their destinations up to 55 percent faster, reducing waiting time and avoiding congestion. Moreover, the efficiency in elevator transportation reduces the number of elevators needed, hence it leads to reducing construction cost, e\*route contributes to greener environment as it reduces electrical energy consumption with its high operation efficiency.

## SAFETY PARTS & MAIN PARTS:



**MOTOR:**  
Elevator drive:Elevator main drive system .



**Main engine brake :**  
Motor brake can precisely stop motor running to stop elevator runs in abnormal speed.



**Door lock :**  
There is the cam body set in the switching range of the door of the elevator room in the lifting pathway, The cam body used to specify the opening and closing zone of the elevator door is arranged on the side wall of the elevator door, and is combined with the mobile selection component to restrict the opening of the door of the elevator room outside the opening and closing zone of the elevator door.



**Limit switch:**  
The limit switch is also called the stroke Switches are commonly used small current electrical components. Profit The collision of moving parts of production machinery makes them touch head action to turn on or off the control circuit road to achieve a certain control purpose. It can protect keep the elevator at a safe distance.



**Light curtain protection:**  
using infrared generator and receiver, An infrared protection net is formed at the elevator door. Not only provides maximum safety for elevator passengers, Fully guaranteed, and enhanced the entire elevator system reliability.



**CONTROLLER CABINET:**  
Main Controller with inverter system (vvvf).



**Overload device:**  
When the overload device detects that the actual load of the elevator exceeds its rated load, it protects the elevator door from closing, thereby preventing the elevator from running, and at the same time the buzzer sounds or an alarm is displayed.



**Speed limiter ( SPEED GOVERNER):**  
The speed limiter is generally installed in the machine room or on the guide rail. When the elevator car exceeds 115% of the rated speed, the speed governor will immediately sense this emergency, pull the safety gear to clamp the guide rail, and stop the elevator car.



**Safety gear:**  
Safety gear is generally installed on both sides or the bottom of the lower beam of the car floor. When the elevator car descends at an excessive speed, the speed limiter acts on the wire rope, and the safety gear is linked, thus effectively stopping the elevator car and protecting passengers.



**Buffer:**  
Elevator buffers are designed to protect people conflicts caused by personnel and equipment failures or operational errors the force generated by the strike. Damages caused by elevator accidents minimize losses.



## CLASSIC CABIN DESIGN



SEE-CDC-001



SEE-CDC-002



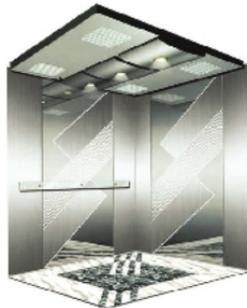
SEE-CDC-003



SEE-CDC-004



SEE-CDC-005



SEE-CDC-006

## STANDARD CABIN DESIGN



SEE-CDS-001



SEE-CDS-002



SEE-CDS-003



SEE-CDS-004



SEE-CDS-005



SEE-CDS-006

**PREMIUM CABIN DESIGN**



SEE-CDP-001



SEE-CDP-002



SEE-CDP-003

**GOLDEN CABIN DESIGN**



SEE-CDG-001



SEE-CDG-002



SEE-CDG-003



SEE-CDH-001



SEE-CDH-002



SEE-CDH-003

Capsule Cabin Design



SEE-CDCP-001



SEE-CDCP-002



SEE-CDCP-003



SEE-CDCP-004



SEE-CDCP-005

OPTIONAL CABIN FLOOR MAT



SE-CFM-001



SE-CFM-002



SE-CFM-003



SE-CFM-004



SE-CFM-005

**COP SERIES**

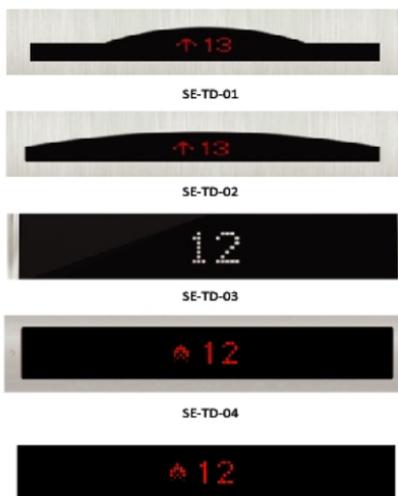


SE-COP-01

SE-COP-02

SE-COP-03

**TRANSOM SERIES**



SE-TD-01

SE-TD-02

SE-TD-03

SE-TD-04

SE-TD-05

**LOP SERIES**



SE-LOP-01

SE-LOP-02

SE-LOP-03

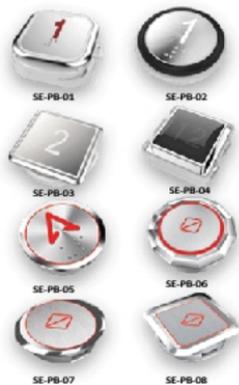
SE-LOP-04

SE-LOP-05

SE-LOP-06

SE-LOP-07

**OPTIONAL BUTTON DESIGN**



SE-PB-01

SE-PB-02

SE-PB-03

SE-PB-04

SE-PB-05

SE-PB-06

SE-PB-07

SE-PB-08

## Car Ceiling Design



SE-CL-01



SE-CL-02



SE-CL-03



SE-CL-04



SE-CL-05



SE-CL-06



SE-CL-08



SE-CL-09



SE-CL-07



SE-CL-10

## Entrance Design



SE-TP-01



SE-TP-02



SE-TP-03



SE-TP-04



SE-TP-05

## SIGMA MOTORS SERIES



SSM-1 (MONA GEARLESS)



SSM-2 (MONA GEARLESS)



SPM-1 (PRIMIO GEARLESS)



SSM-3 (TORIN GEARLESS)



SSM-4 (TORIN GEAR)



SPM-2 (PRIMIO GEAR)



SPM-4 (SICOR GEARLESS)



SPM-5 (SICOR GEARLESS)



SPM-6 (SICOR GEAR)

## SIGMA HANDRAIL SERIES



SEH - 01



SEH - 02



SEH - 03



SEH - 04



SEH - 05



SEH - 06



SEH - 07



SEH - 08



SEH - 09



SEH - 10



SEH - 11



SEH - 12



SEH - 13

# PASSENGER ELEVATOR TYPE WITH DATA

Small Machine Room  
Passenger Elevator



Machine Room Less  
Passenger Elevator



255mm

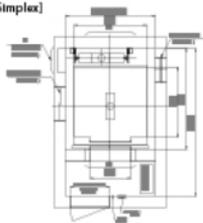
40%

100%

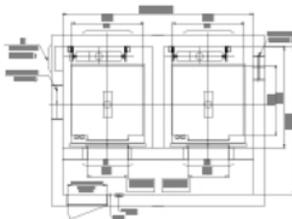
Machine roomless elevator,  
high utility of land function area.

25%

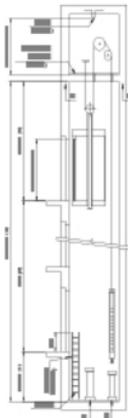
[Simplex]



[Duplex]



Hoistway Section



## Machine room or roomless passenger elevator parameters

Load (kg)	Speed m/s	Car dimension (mm)	Door-opening size (mm)	Shaft size(mm)	Overhead height	Pit depth
		Inner size AXB CWxCD	Net door-opening	Width x depth		
450	1.0	1100x1100	700/800	1900x1600	4200	1500
	1.5				4500	1600
	1.75				4500	1700
630	1.0	1400x1100	700/800	2250x1700	4500	1600
	1.5				4700	1700
	1.75				4700	1900
	2.0				4900	2000
800	1.0	1400x1350	700/800	2250x1800	4500	1600
	1.5				4700	1700
	1.75				4700	1900
	2.0				4900	2000
1000	1.0	1600x1500	800/900	2450x2000	4500	1600
	1.5				4700	1700
	1.75				4700	1900
	2.0				4900	2000
1250	1.0	1800x1550	900/1000/1100	2750x2050	4600	1600
	1.5				4700	1700
	1.75				4700	1900
	2.0				4900	2000
1350	1.0	1900x1600	900/1000/1100	2850x2050	4700	1600
	1.5				4900	1700
	1.75				4900	1900
	2.0				5000	2000
1600	1.0	1950x1700	900/1000/1100	2950x2200	4700	1700
	1.5				4900	1800
	1.75				4900	1900
	2.0				5000	2000
2000	0.5	1900x2200	Center Opening Double-folded	2800x2700	4500	1500
	0.75				4700	1700
	1.0				4900	1800
	1.5				5000	2000



## Escalator Parameter

### Main Specifications

Model	SEE-600 / SEE-800 / SEE-1000
Installation Place	Indoor / Out door
Step Width(mm)	600 / 800 / 1000
Capacity(man/hr)	4500 / 6750 / 9000
Vertical Height	1.0m- 7.5m
Inclination Degree	30 , 35
Speed (m/min)	30 m/min (0.5m/Sec)
Power supply	380V, 50 Hz
lighting source	220V, 50 Hz

### Appearance Design

Type	TG / TGL / TGB
Interior Panel	Tempered Glass 10mm / STS
Deck (Inner/Outer)	STS Hairline finish
Skirt Panel	STS Hairline finish
Handrail	Black Color(Standard) , other Color for Optional
Handrail Lighting	N/A / Fluorescent lamp / N/A
Step	Aluminium Die-casting Pressing
Landing Plate	Stainless steel board( Standard), Etched stainless(option)
Comb	Synthetic resin(yellow)
Exterior Panel	by others   Local supply
Control Panel	Red emergency stop button & Key switch



**Certificate of Incorporation**  
(under Act XVIII of 1994)

No. C-192821/2023

*I hereby certify that Sigma Escalator & Elevator Co. Ltd. is this day incorporated under the Companies Act (Act XVIII) of 1994 and that the Company is Limited.*

*Given under my hand at Dhaka this Twenty-Seventh day of December two thousand and twenty-three.*

*By order of*  
*Registrar*

*Assistant Registrar*  
*Registrar of Joint Stock Companies & Firms*



N.B. This certificate is digitally signed. Please find the call page to verify.



**SIGMA ESCALATOR & ELEVATOR CO. LTD**

TRUSTED ELEVATOR COMPANY

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