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# **Elevator Product Range**

Home Lift



Goods Lift

Regular Lift

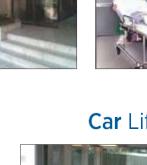


Hospital Lift





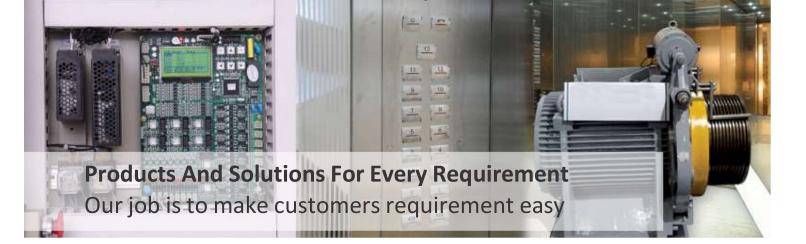






Car Lift





# Product:

If you need special product that provides users and managers with the best conveniences and excellent services, our product is the right product you are looking for.

The primary features of product are its superior economic efficiency, premium performance, various functions, simple and easy maintenance.

## Energy Efficient Elevators: 📎

- Gearless drives: Adoption of PMSM motor with inverter IPM control will save energy up to 30 % over geared drives
- Re Gen (Energy saving control system): Adopting the high-quality IPM, but high-speed DSP chip on the main board can regenerate the high-quality of the electric power. Basically, it returns regenerated energy from motor into the buildings internal power network for reuse.

Not only realization of the function for energy regeneration but also, improvement of noise, vibration and Ride Comfort Enhancement.

#### How it works

The condition 1 of the energy regeneration:

The condition 2 of the energy regeneration:

The car moves up with the car lighter

The car moves down with the car heavier



The car moves up with car lighter

In case the car is lighter than the balance weight, the m o t o r w o r k s u n d e r generation mode.

Also, the electric energy is generated and regenerated to a distribution panel by regenunit. The car moves down with the car heavier

In case the car is heavier than the balance weight, the m o t o r w o r k s u n d e r generation mode.

also, the electric energy is generated and regenerated to a distribution panel by ReGen Unit

# Feature: 📎

- Saving energy, the protection of the environment matching with PMSM and saving 58% energy
- Eco-friendly technology
- Suitable for gearless motor that consumes 50% less power
- Adopted the newest IPM and main board
- 100% energy regeneration under motoring condition as well as regeneration condition
- Adopted high efficient EMI noise filter, more clean feedback energy



# **CAR INTERIORS**

## **CAGE DESIGN**

Ceiling	Mirror SS Frame + Acrylic				
Wall	Long Hairline SS plated in				
	black Titanium + Mirror SS Strip				
Handrail	SS Pipe				
Floor	Marble				





## **CAGE DESIGN**

Ceiling	Hairline SS Frame + Acrylic
Wall	Hairline SS + Mirror SS
<u>Handrail</u>	
Floor	Marble

## **CAGE DESIGN**

Floor	PVC
Handrail	
Wall	Hairline SS + Mirror SS
Ceiling	Hairline SS + Acrylic +LED Light





Cabin Panel finish with choices of Powder Coated Steel, Hairline Stainless Steel or Mirror/ Etched Stainless Steel.





E58002



E58009



E58017



S.S. Centre Opening Auto Door



Swing Manual Door

Imperforated Collapsible

Manual Door

Telescope Manual Door





NIN STREET

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# Accessories

Designed with the same precision as our mechanical engineering to give quality satisfaction.



Ceiling





Round LED

## Handrail



SS Hairline

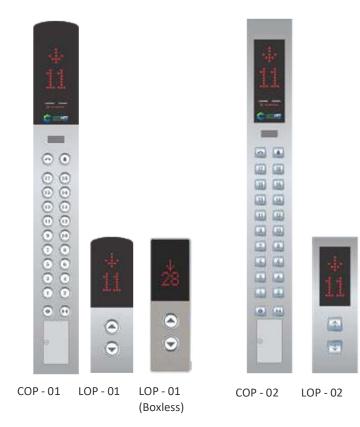
- Actual colors of the product may vary from the printed brochure.
- SS Handrail (on rear wall) and Mirror (full width, half length) is optional.
- COP/LOP/LIOP Button comes with Braille as a standard option.

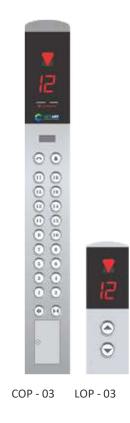
## Half-size mirror



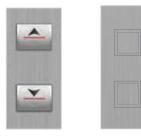


# CELLING CAR OPERATING PANEL





## HALL BUTTONS



## **BUTTONS**



T.

0

LOP - 03

(Boxless)

**CAR & HALL POSITION INDICATORS** 





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#### **Operative System:**

#### Selective Collective Operation

The momentary pressing on one or more car buttons shall send the car to the designated landings in the order in which the landings are reached by the car, irrespective of the sequence in which are in the direction of travel, and each call shall be cancelled when answered.

#### **Attendant Operation**

The operating of an elevator can be changed from normal full automatic operation to the attendant service by an attendant switch, is located on the car operation panel with a sliding cover.

## 6-8 cars full group \*

Micro computer employed group operation control system which is provided with a GA (Genetic Algorithm) for allocation process and with a Neural Network or traffic learning of a building is applied to improve service and handing capacity 24 hours a day. It handles various building traffic patterns, based on real time feedback system. passenger waiting time is kept at the absolute minimum.

## Service Functions:

**Safety drive:** When a car stops between floor due to mechanical malfunction, the car descends to the nearest floor below.

Anti nuisance: In case of substantial deference between the no. Of calls registered on the car operation panel and actual land in the elevator prevents unnecessary operation by cancelling all registered calls when it arrives at the nearest floor.

Automatic door open & close time adjustment: door open and close times are automatically adjusted depending on whether the call is hall or a car call to increase the operating efficiency.

**Car door protective edge:** Extending the full height of the car door this device causes the door to return to the fully open position should the door encounter a person or obstacle while closing.

Advanced door opening\* To minimise passenger transfer time and maintain operating efficiency, the car and hoist way doors begin to open as the car arrives at floor level.

**Micro levelling:** An automatic two way levelling device is provided to maintain the car level with the landing, regardless of elevator load or direction of travel.

Automatic car light and fan turn off: Car illumination and fan are turned off automatically in case if there is no hall call or car call, saving energy.

**Car call cancellation:** Allows cancellation of an incorrectly registered car call. If you push a wrong floor button in the car you can cancels it by pressing the floor button twice consecutively.

**Detection of jammed hall button and exclusion from operation service\*** If a button jammed mechanically, the hall car will be automatically it bypassed after being serviced once, until the problem is resolved.

**Overload:** (110% of the rated load) Holding stop: when the number of passengers exceeds the normal capacity, a buzzer sounds and the elevator remains stop at that floor. When the number of passengers disembark, the buzzer stops, the elevator doors close, and operation continues.

## **\*Optional Features**

Note: the actual colors of the complected products shall be slightly deferent with those on the catalogue



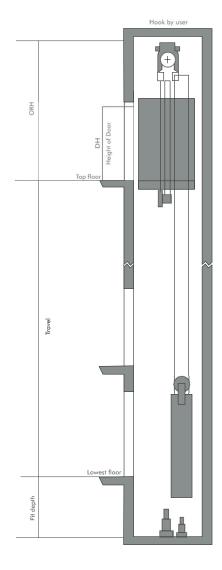
## **TECHNICAL DATA - SPECIFICATION FOR PASSANGER**

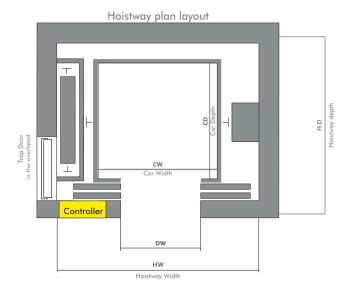
## HIGH-MID-LOW SPEED (MR)

			Car Size Hoist Minimum Size						M/R O	0	PIT	M/R		Pit Platform		
Speed (m/min)	Pass	Load (kg)	Entrance Width	Inside Width	Inside Depth	Si	mplex	D	ouplex	Height	Over Head	Depth	React			ction
			OP	CA	СВ	X1	Y	X2	Y	MH	OH	PIT	R1	R2	R3	R4
	8	550	800	1400	1030	1800	1650 (1700)	3750	1650 (1700)				4200	2800	5432	3954
	9	600	800	1400	1100	1800	1700 (1750)	3750	1700 (1750)				4500	3100	5725	4127
	10	700	800	1400	1250	1800	1850	3750	1850	2450			4900	3400	6353	4153
	11	750	800	1400	1350	1800	1950	3750	1950	2450			5250	3700	6679	4717
	13	900	900	1600	1350	2000	1950	4150	1950				5750	4100	8211	5843
105	15	1000	900	1600	1500	2000	2100	4150	2100		5000	2100	6150	4600	8695	6095
105	17	1150	1000	1800	1500	2350	2200	4850	2200		5000	2100	9400	7750	10762	7716
			1100	2000	1350	2550	2050	5250	2050							
	20	1350	1000	1800	1700	2350	2400	4850	2400	2700	00		10000	8250	11916	8392
			1100	2000	1500	2550	2200	5250	2200							
	24	1600	1100	2000	1750	2550	2450	5250	2450				11550	8700	13469	8392
			1100	2150	1600	2700	2300	5500	2300							
	13	900	900	1600	1350	2200	2150	4550	2150			11100	7500	13250	10100	
	15	1000	900	1600	1500	2200	2300	4550	2300			2400	11650	7850	13950	10550
120	17	1150	1000	1800	1500	2400	2300	4950	2300	2700 5600	5600		12300	8250	16600	12650
	20	1350	1000	1800	1700	2400	2500	4950	2500			13100	8850	18050	13550	
	24	1600	1100	2000	1750	2600	2550	5350	2550				13900	9350	19550	14350
	13	900	900	1600	1350	2200	2150	4550	2150				11100	7500	13250	10100
	15	1000	900	1600	1500	2200	2300	4550	2300		5600		11650	7850	13950	10550
150	17	1150	1000	1800	1500	2400	2300	4950	2300	2700 560		2400	12300	8250	16600	12650
	20	1350	1000	1800	1700	2400	2500	4950	2500				13100	8850	18050	13550
	24	1600	1100	2000	1750	2600	2550	5350	2550				13900	9350	19550	14350
	15	1000	900	1600	1500			4600	2400	_		12000	8100	15950	13300	
180	17	1150	1000	1800	1500			5000	2400	2700	6200	200 3200	12600	8500	17450	14450
	20	1350	1000	1800	1700			5000	2600				13300	9000	19100	15600
	24	1600	1100	2000	1750			5400	2650				14200	9600	20550	16500
	15	1000	900	1600	1500			4600	2400				12000	8100	15950	13300
210	17	1150	1000	1800	1500			5000	2400	2700 6	6200	3200	12600	8500	17450	14450
	20	1350	1000	1800	1700			5000	2600				13300	9000	19100	15600
	24	1600	1100	2000	1750			5400	2650				14200	9600	20550	16500
240	17	1150	1000	1800	1500		lvisable to	5000	2400				12600	8500	17500	14450
	20	1350	1000	1800	1700	avoid		5000	2600	2700	00 7000	3800	13300	9000	19100	15600
	24	1600	1100	2000	1750			5400	2660				14200	9600	20550	16500
	18	1150	1000	2000	1550			6000	2600				12800	8900	17600	14600
300	21	1350	1000	2100	1650			6400	2750	3000	00 7800	4500	13500	9200	19500	15800
	26	1600	1100	2200	1900			6900	3050				14500	9600	20800	16800
	18	1150	1000	2000	1550			6000	2600		000 7800		12800	8900	17600	14600
360	21	1350	1000	2100	1650			6400	2750	3000		4500	13500	9200	19500	15800
	26	1600	1100	2200	1900			6900	3050				14500	9600	20800	16800

# Hoistway layout

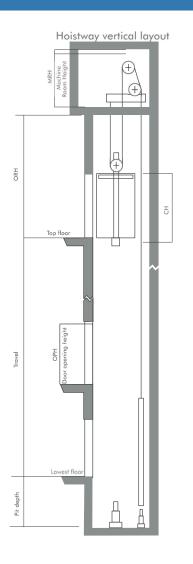
Hoistway vertical layout

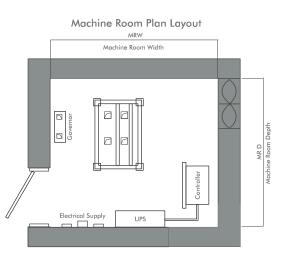




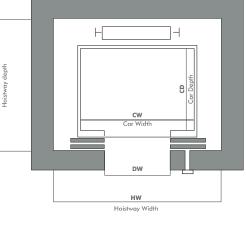
No. of person	Load in) (Kg	Car Width mm	Car Depth mm	Door Width mm	Hoist way Width mm	Hoist way Depth mm
6	408	1000	1100	700	1825	1500
8	544	1300	1100	800	2075	1500
10	680	1350	1300	800	2150	1625
13	884	1600	1350	900	2450	1700
15	1020	1600	1500	1000	2450	1820







Hoistway plan layout



No. of person	Load in (kg)	Car Width (mm)	Car Depth (mm)	Door Width (mm)	Hoist way Width (mm)	Shaft Depth (mm)
6	408	1000	1100	700	1550	1550
8	544	1300	1100	800	1700	1550
10	680	1350	1300	800	1750	1750
13	884	1600	1350	900	2000	1900
15	1020	1600	1500	1000	2000	2050
16	1088	1600	1625	1000	2150	2100
20	1360	1800	1725	1000	2200	2200

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