















SN-CD-903 towary Solution

































·SN-COP-690











Center Opening Auto Door (Small Vision)



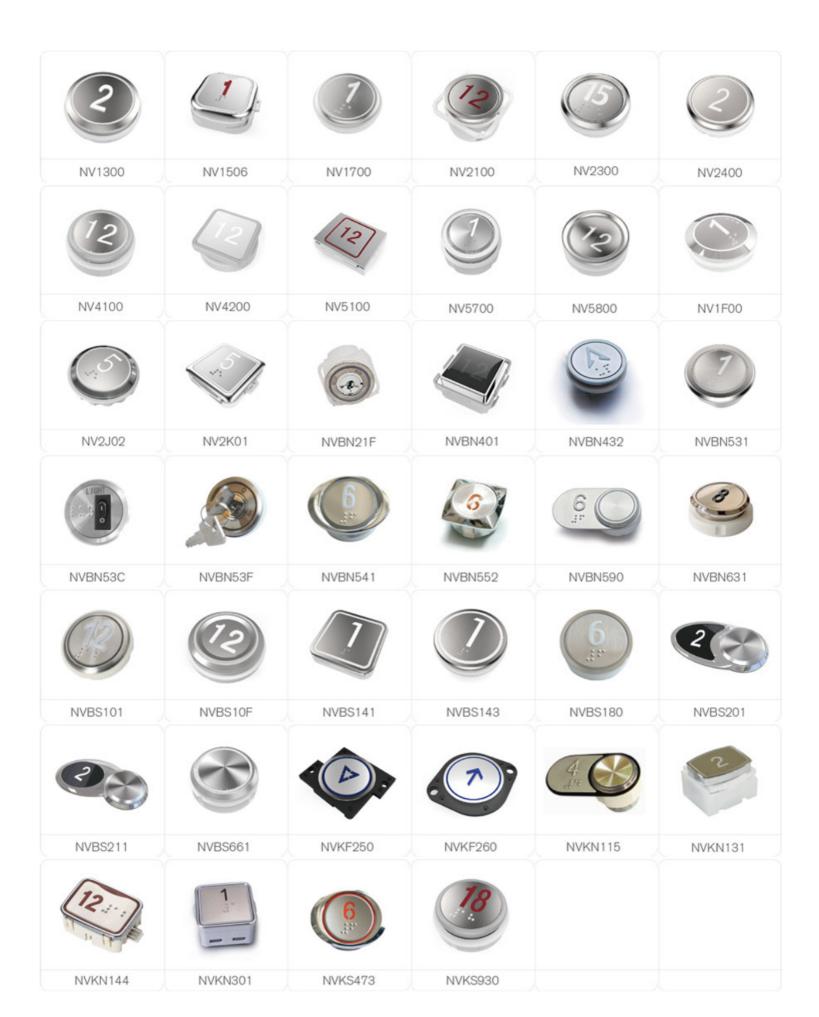


Excellent Bank ECW-P1

Full Frame Glass Auto Door







Sheets Metal Fabrication Color Swatch





KY-B001# Main Power Switch



KY-B002# Maintenance Rotary Switch



KY-B003# Limit Switch GK



KY-B004# Large Wheel Switch TV231



KY-B005# Small Wheel Switch TV231



KY-B006# Switch TV231



KY-B007# Switch TR236



KY-B008# Switch ZR236



KY-B009# Switch ZS236



KY-B010# Switch UKS/UKT



KY-B011# Escalator Passageway Switch



KY-B012# Switch 1375



KY-B013# OTIS Tension Rope Pulley Switch AA3



KY-B014# OTIS Governor Switch AA1



KY-B015# OTIS Limit Switch 6098B3/B7



KY-B016# OTIS Limit Switch 6098B11



Cable



Door



Integrated Elevator Controller



LOP



Light Curtain



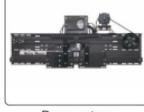
Intercom







Guide Rail



Door system



PM Traction machine



Geard Traction machine



Control Cabinet



Cop



Push Button



Display



Oil buffer



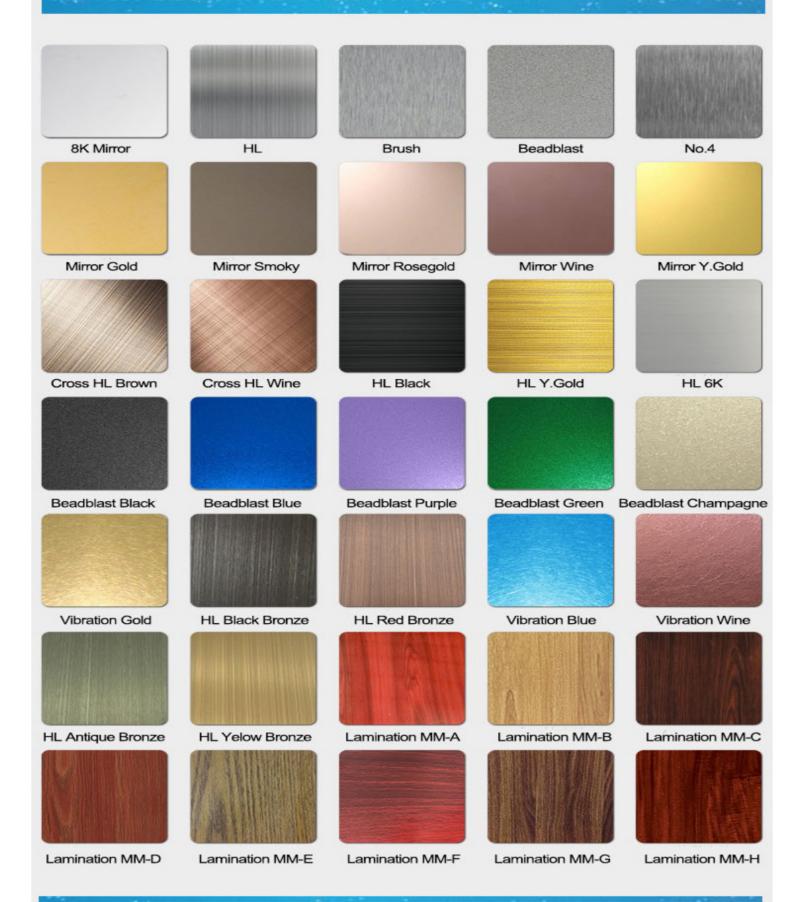
Inspection box



Limit switch



Photo-electric switch



Trachtion Lift Accessories



LL-160/160A







102



Guide Shoe



Door Brackets



Brackets



Car Adjusting Brackets



VVVF 5.5 kw, 7.5 kw, 11 kw



Traction Motor



Door Operator + Hanger



Lift Controller



Inverters



Door Inverters



Bistable Magnetic switch



Ful Height Photocell



Magnetic Contactor



Guidrail



Guidrail



Traveling Cable



Traveling Cable



Sheave



Oil Buffer



Buffer Spring



S. Rope / S. Rod



Em. Brake



Rope Clip



Speed Govornor



Cross Fan



Anchor Bold/Magnet Round Type/Encoder



C.W.T Guide Shoe



Oil Pot



Intercom

M.S. CABIN









S.S. CABIN









CAPSULE DESIGN















MS Cabin with Mirror



MS Cabin



SS Gold Mirror Design Cabin



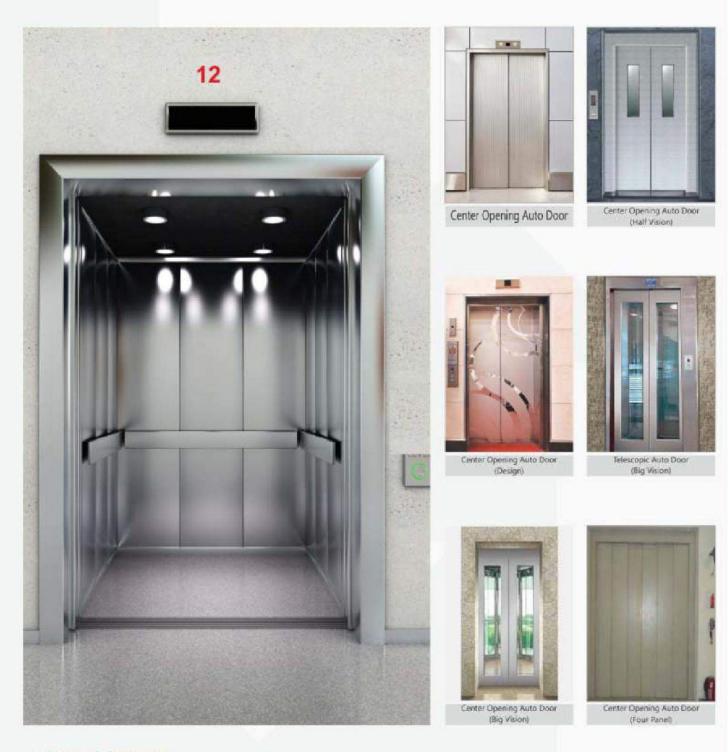
SS Hair Line with Mirror finish Cabin



SS Hair Line Cabin

CABIN

The elevator cabin can make a big impression on passengers. It reflects the building's decor and your commitment to tenants' comfort.



AUTOMATIC DOORS

The automatic doors at grocery stores and office buildings mainly exist for convenience. The automatic doors in an elevator, on the other hand, are absolutely essential they keep people from falling down an open shaft.

Elevators use two different sets of Doors: doors on the cars and cars and doors opening into the elevator shaft, the doors on the cars are operated by an electric motor, which in turn is operated by the elevator computer.





MR CAR FRAME 1:1



MRL CAR FRAME 2:1





MRL CAR FRAME 2:1
BOTTOM PULLEY



MRL CAR FRAME 2:1
PLUS TYPE ARRANGEMENT





CANTILEVER TRACTION

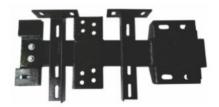
CANTILEVER HYDRAULIC







PROGRESSIVE SG



MACHINE MOUNTINGS

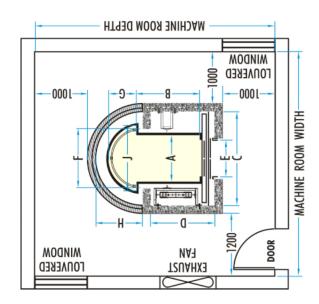


CAR & CWT PULLEY

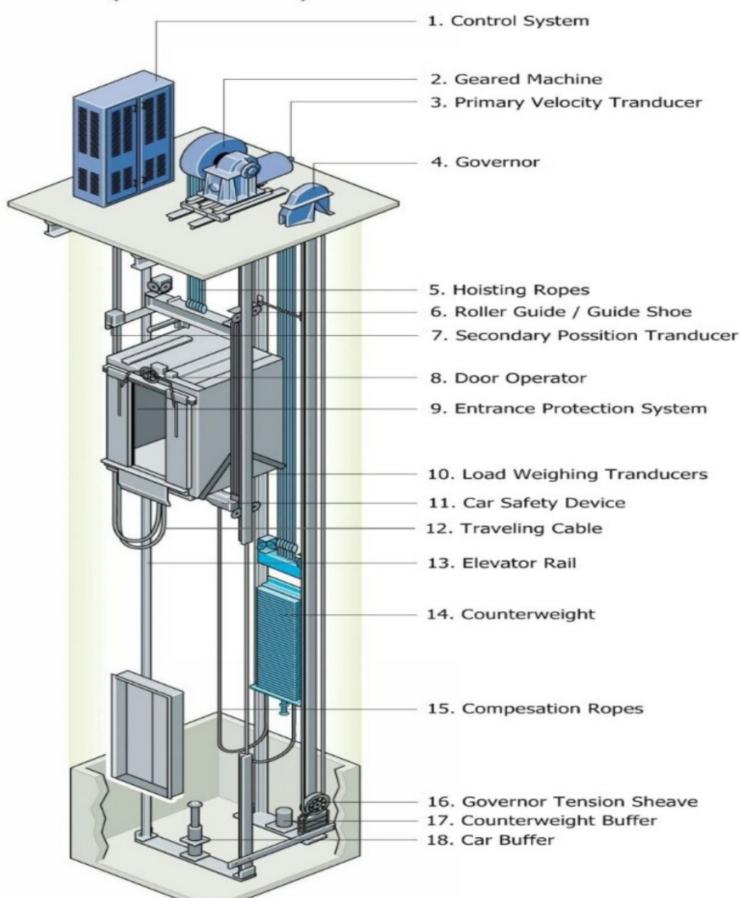


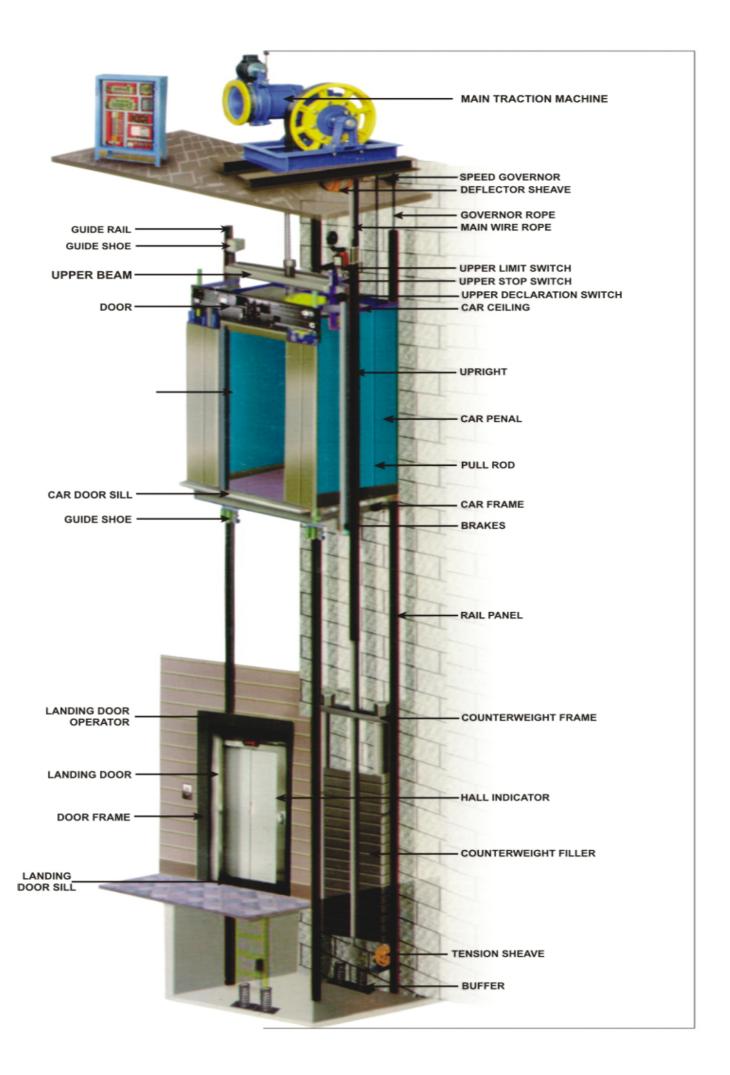
CAR FRAMES

CANTILEVERS



Elevator Component (GEARED)





















MS Cabin



Gold Cabin



SS Cabin



Bed Cabin



Goods Cabin



Imperforated Door



Spring Door



Manual Door



Big Vision Glass Door



MS Telescopic Door



MS Auto Door





What could have happened

In the final investigation report, an authorised examiner reconstructs how the doors of a lift at Block 322, Tah Ching Road, might have severed the hand of Madam Khoo Bee Hua

As Madam Khoo enters



- She presses the button for the 16th floor with her right hand, and then the "Close" button.
 - The leash for her dog is looped around the 85-year-old's left wrist.

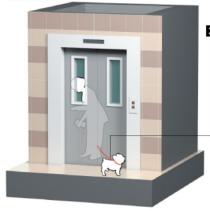
Lift cabin doors

Dog is pulled up against lift lobby doors

First floo

Her dog is still outside as this happens.

Doors close



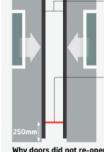
- 3 The 2mmthick leash is too narrow to activate lift sensors that would have reopened the doors.
 - Instead it is caught in between.

The Fulcrum Effect

- The lift cabin doors are hung from rails at the top.
- If a significant force is applied to the bottom of the lift cabin doors while they are closed, it is possible for the doors to be prised open slightly.
- The gap would be narrowest at the top and widest at the bottom, forming a slim A-shape opening.

- As the lift rises, the leash around Madam Khoo's wrist tightens. She is pulled to the floor. The dog is also pulled up against the lift lobby doors till its harness buckle is caught at the top part of the lift lobby door.
- The pull of the taut leash against the lift doors forces them apart slightly, opening up a small gap at the base.
 - As the lift continues to go up, the force of the leash is strong enough to pull Madam Khoo's left hand through this small gap.
 - The hand widens the gap, triggering the lift to come to a gradual emergency stop.
- The hand is crushed and severed between the lift cabin doors and the internal parts of the lift lobby doors. This happens near the second floor
 - The lift stops near the third floor. The severed hand falls to the bottom of the lift pit.

Safety features of the lift at Block 322



Pair of full-height mechanical safety edges Doors re-open if an

object pushes back the safety edges by 10mm or more.

Single beam infra-red sensor

Doors re-open if the infra-red beam at the height of 250mm from the floor is blocked.

Why doors did not re-open

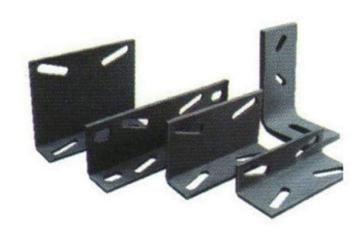
The devices were not designed to detect obstructions that are too thin, such as a 2mm-thick dog leash.

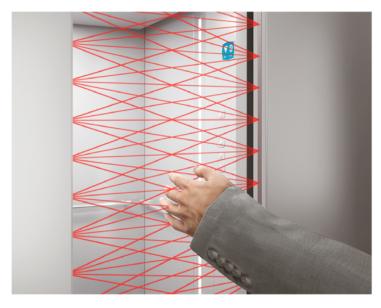
Persons	Persons	Car Inside	Lift Shaft Size	Entrance	Machine Room
	Load		(Two side open)		
No.	Kg.	Width x Length	Width x Length	Width	Width & Length
4	272	1100 X 700	1600 X 1300	900	3000 X 3000
6	408	1100 X 1000	1600 X 1600	1000	3000 X 3000
8	544	1300 X 1100	1800 X 1700	1100	3000 X 3000
10	680	1350 X 1300	1850 X 1700	1350	3000 X 3000
13	884	2000 X 1100	2500 X 1700	1350	3000 X 3000
16	1088	2000 X 1300	2500 X 1900	1500	3000 X 3000

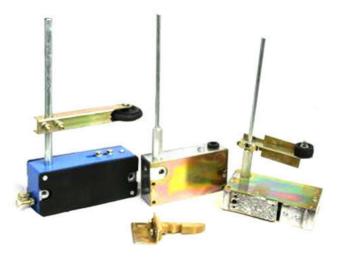










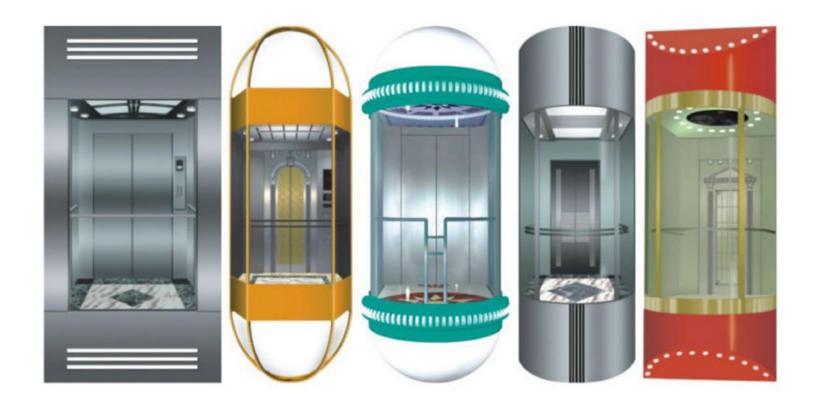


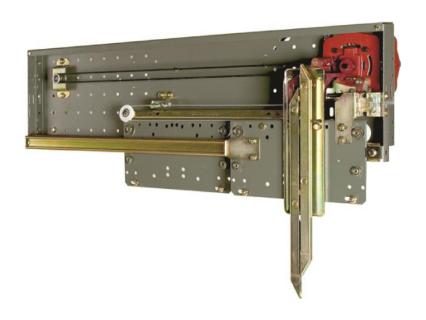














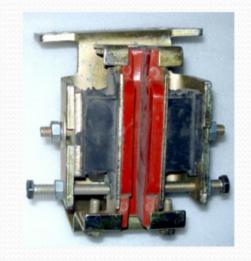








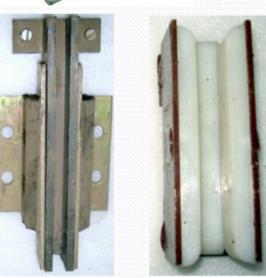


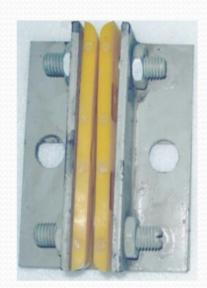








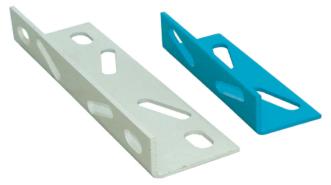


















S



MS POWDER COATED



SS HAIR LINE



SS MIRROR CABIN



SS GOLD MIRROR





IMP MANUAL DOOR



SWING DOOR



TMD



AUTO DOOR



FRAMED GLASS DOOR



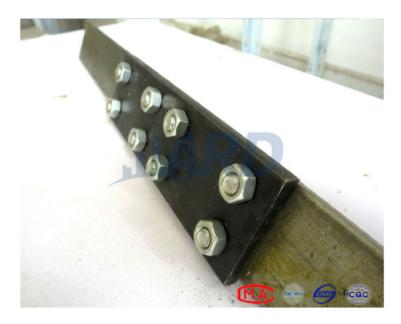
FULL GLASS DOOR

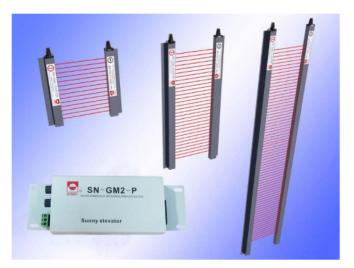


VISION AUTO DOOR

- Cabins are manufactured as per the customer requirement.
 Panel finish with multiple choice.











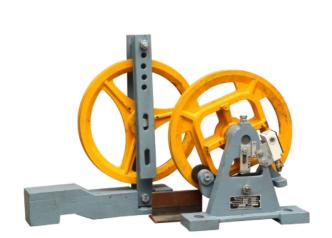








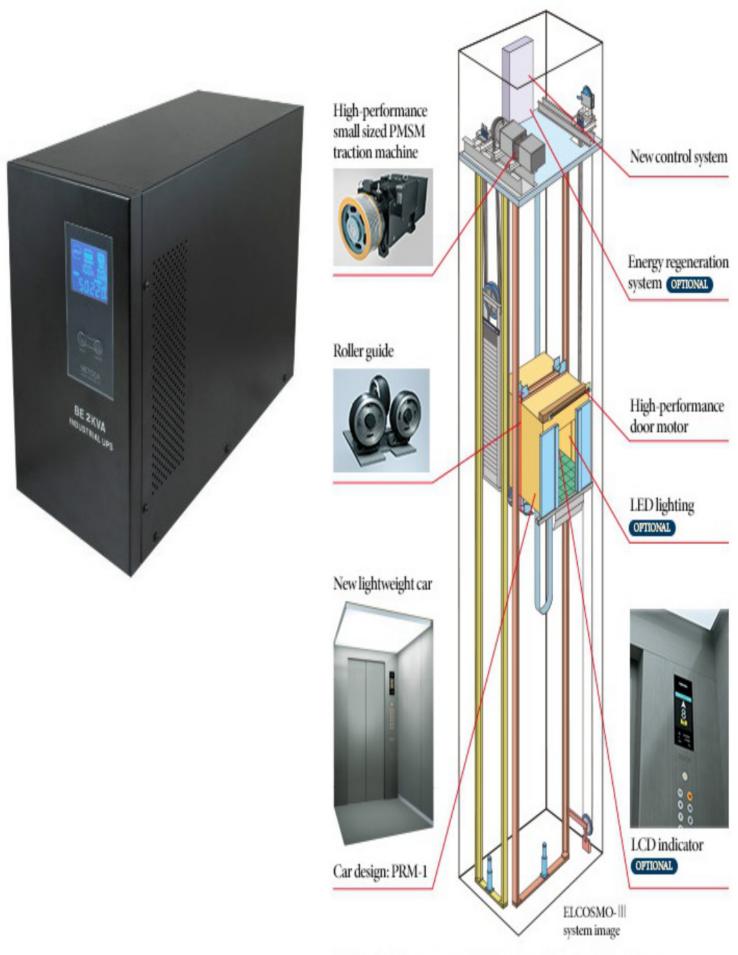












Actual product colors may vary slightly from the printed colors in this catalogue.

ELEVATOR SPARES - 1



THIMBLE



ROPE ATTACHMENTS



BRICK FASTENERS



WIRE/BULL DOG CLIPS



RCC FASTENERS



GUIDE CLIP- SAPING





GUIDE CLIP-SHEET TYPE



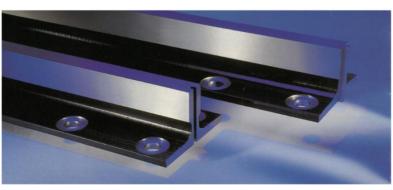
CABLE HANGER-MS













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