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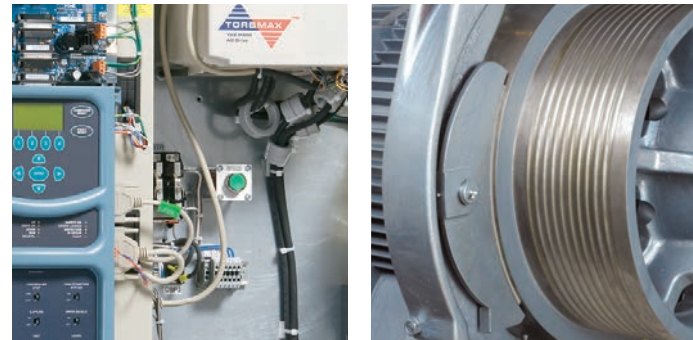
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## ELEVATOR SOLUTIONS

# Kinetek Elevator Packages - Summary

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Kinetek MRL and overhead traction elevator packages are designed to provide independent and OEM elevator contractors with reliable, turn-key, custom solutions for any modernization or new construction project.

At the core of our packages are the most sophisticated open architecture controllers, machines and peripherals in the industry. Couple these with the highest quality cabs and entrances, surfaces and fixtures available, and Kinetek Elevator Packages will meet the expectations of the most demanding customers.

## Kinetek Elevator Packages

With design centers on two continents, we have the advantage of understanding the elevator marketplace across a very broad perspective. Our elevator packages reflect this flexibility:

**Standard and Cantilevered MRLs** — 350 to 1600 kg loads at speeds to 2.0 meters per second. Conventional and cantilever designs available. (Pages 6 and 9)

**Expanded Capacity MRLs** — Loads up to 2000 kg (2:1 roping) or 2100 to 3500 kg (4:1 roping). Conventional design. (Page 7)

**Heavy Duty MRLs** — Loads up to 4000 kg, (4:1 roping) (Page 8)

**Standard Machine Room** — Speeds up to 6.0 meters per second. Conventional, overhead machine room installations. (Page 10)

**Panoramic** — 630 kg to 1000 kg loads at speeds up to 1.75 meters per second. (Pages 11-12)

**Vehicle Lifts** — Hydraulic or traction, speeds to 0.75 meters per second. (Page 13)

**Hydraulics** — Hydraulic installations. Traditional or roped.

## Active Key Components by Kinetek

**Controls** — iControl, ZK-CAN3200C, Fusion™, Motion 4000, Motion 4000MRL and K-4000S.

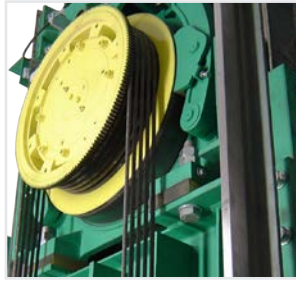
**Machines** — Kinetek permanent magnet AC gearless for MRL or overhead machine room installations.

**Safety components** — Governor and tension sheave/weight, safeties, safety switches.

**Door operators** — New construction and modernization.



Kinetek's Elevator & Escalator Solutions Group is part of Kinetek, a privately-held global manufacturing company with facilities in North America, Europe and Asia. Kinetek companies hold market leading positions in elevator/escalator, commercial floor care, material handling/aerial lift, golf/utility vehicle, medical, renewable energy and commercial food equipment markets.



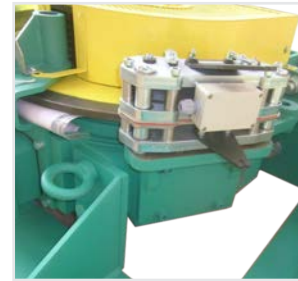
#### Traction Structure

Standard MRL machine is surrounded by supporting structure that allows it to be mounted, cassette-like, between counterweight rails.



#### Traction Structure

Cantilevered MRL with barrel type machine mounted



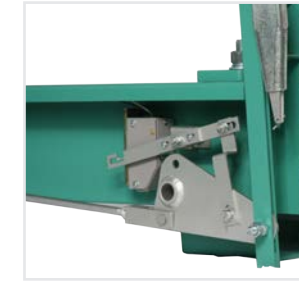
#### Disc-brake Machines

Disc-brake machines are highly efficient, safe, reliable and quiet.



#### Modernization Package

ACPM gearless machines and custom-made sub-structures provide a flexible modernization solution.



#### Safety Plank - Standard MRL

Auto-reset safety gears are designed for standard MRLs.



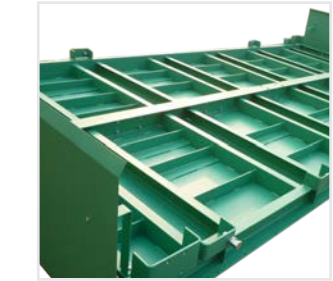
#### Safety Plank - Cantilevered MRL

Auto-reset safety gears are designed for cantilevered (L Frame) MRLs.



#### Platform Isolation

Multiple durometer tested isolation pads are installed under the platform to reduce noise and vibration.



#### Platform Construction - Vehicle Lifts

High-quality welded platform for vehicle lifts.



#### Platform Pulley Device

Traditional cast iron sheave for high-speed with 4:1 roping application.



#### Stationary Suspension Pulley

The stationary suspension pulley is typically designed for heavy duty MRLs.



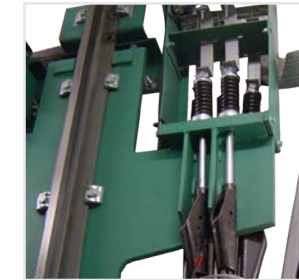
#### Counterweight Sheave

The counterweight sheave provides needed suspension solution for heavy duty MRLs.



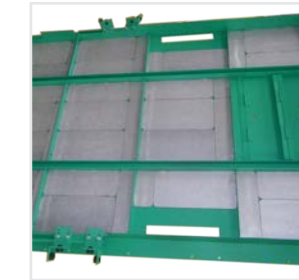
#### Diverter Sheave

High-quality machined diverter sheaves for machine room and MRL, low or high-speed.



#### Slack Rope Switch

The safety slack rope unit detects loose and/or broken ropes.



#### Car Roof Isolation

Multiple isolation pads placed on the car roof reduce noise and vibration in the cab.



#### Suspension Structure

For Cantilevered (L Frame) MRLs.



#### Buffer Base

The combined buffer base is typically designed for heavy duty MRLs.



#### Counterweight Package

The counterweight package is designed to work against the center of gravity.



#### Counterweight Fillers

Counterweight fillers for Standard MRLs are constructed of high-quality cast iron.



#### Counterweight Package

High-quality counterweight package for standard MRLs.



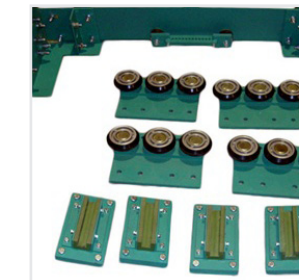
#### Platform Construction - Freight MRLS

High-quality welded platform for passenger and freight MRLs.



#### Rail Brackets

Easily assembled combination car and counterweight guide rail brackets allow for multi-axis adjustments to compensate for hoist-way wall variations.



#### Sliding & Roller Guides

Car and counterweight MRLs and roller guides are specifically designed for cantilevered MRLs.



#### Sliding Guide Shoes

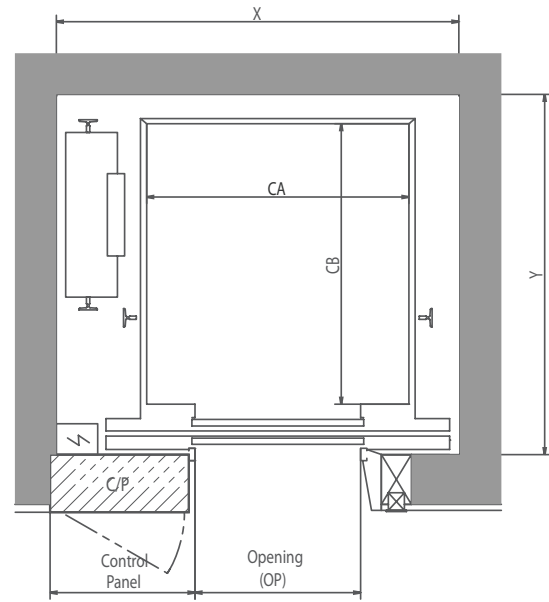
Flexible sliding guide shoes designed for heavy duty MRLs.



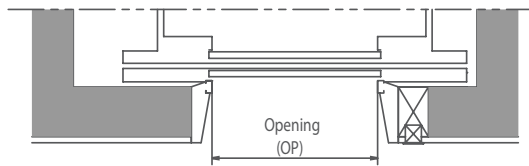
#### Roller Guide Shoes

High-quality car and counterweight roller guide shoes are designed for high-speed applications.

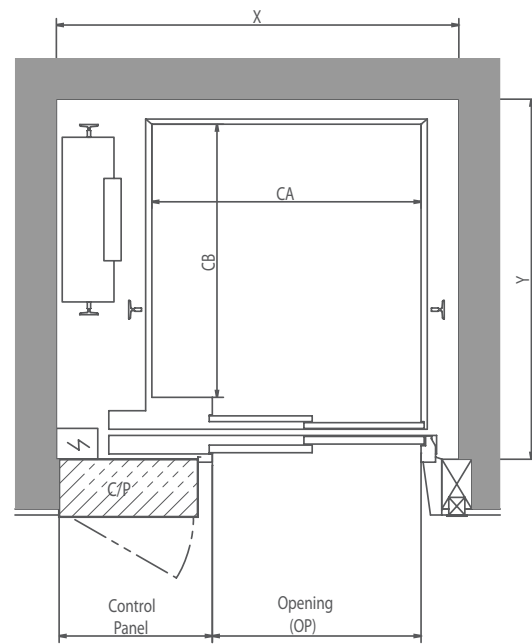
HOISTWAY PLAN



Top Floor (with control panel)  
Center Opening

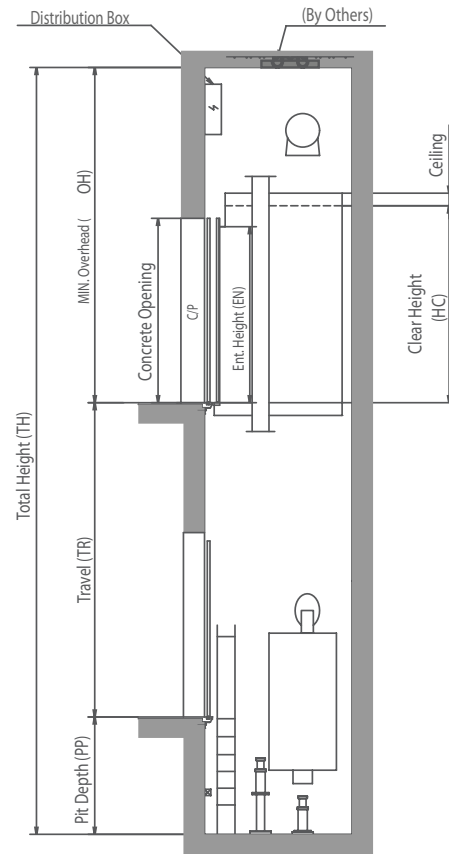


OTHER FLOORS



Top Floor (with control panel)  
Side Opening

HOISTWAY SECTION



CENTER OPENING STANDARD DIMENSIONS (units: mm)

Capacity		Speed m/s	Max Clear Opening	Car Inside CA x CB	Hoistway X x Y
KG	Persons				
550	7	0.5/1.0/1.5	800 (CO)	1150x1300	1750x1650
630	8	0.5/1.0/1.5	800 (CO)	1150x1400	1850x1750
800	10	0.5/1.0/1.5/1.75	900 (CO)	1400x1400	2100x1750
1000	13	0.5/1.0/1.5/1.75	900 (CO)	1550x1500	2250x1850

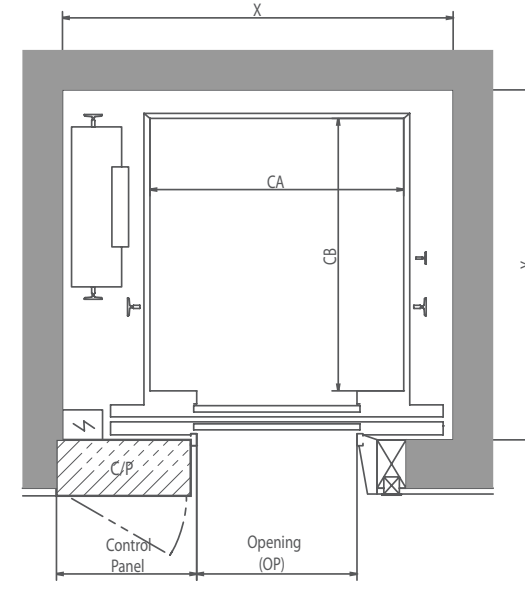
SIDE OPENING STANDARD DIMENSIONS (units: mm)

Capacity		Speed m/s	Max Clear Opening	Car Inside CA x CB	Hoistway X x Y
KG	Persons				
320	4	0.5/1.0/1.5	800 (SO)	850x1100	1500x1500
400	5	0.5/1.0/1.5	800 (SO)	1000x1100	1600x1500
450	6	0.5/1.0/1.5	800 (SO)	1100x1150	1700x1550
550	7	0.5/1.0/1.5	800 (SO)	1100x1350	1700x1750
630	8	0.5/1.0/1.5	900 (SO)	1100x1400	1800x1800
800	10	0.5/1.0/1.5/1.75	900 (SO)	1400x1400	2100x1800
1000	13	0.5/1.0/1.5/1.75	1000 (SO)	1100x2100	1800x2500

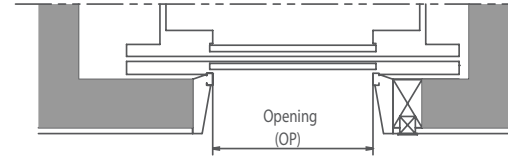
Speed m/s	Min. Overhead OH (mm)	Min. Pit PP (mm)	Max Travel TR (m)
0.5	3600	1155	25
1.0	3600	1155	45
1.5	3800	1550	65
1.75	3900	1600	75

Note: HC = 2200 (Clear Height)  
For P13 capacity, if decoration weight greater than 200kg, increase pit depth 100mm.  
2:1 underslung arrangement

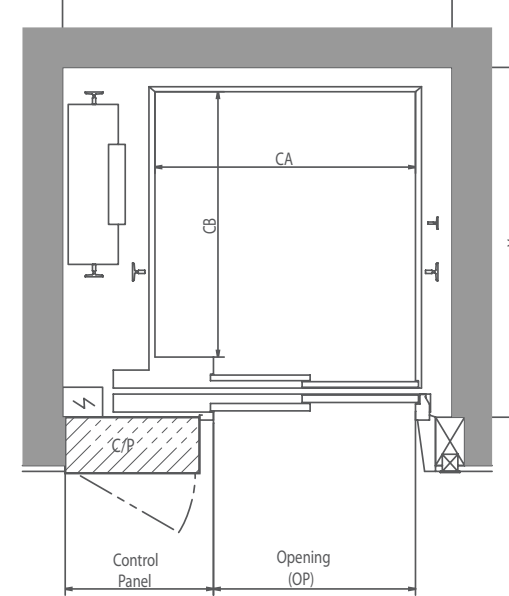
HOISTWAY PLAN



Top Floor (with control panel)  
Center Opening

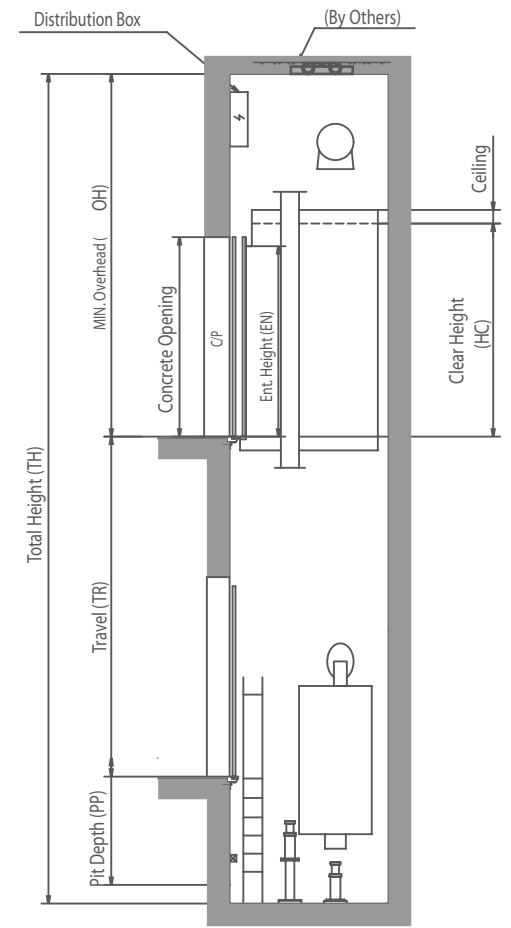


OTHER FLOORS



Top Floor (with control panel)  
Side Opening

HOISTWAY SECTION



CENTER OPENING STANDARD DIMENSIONS (units: mm)

Capacity		Speed m/s	Max Clear Opening	Car Inside CA x CB	Hoistway X x Y
KG	Persons				
1150	15	0.5/1.0/1.5/1.75	1000 (CO)	1650x1600	2350x1950
1350	18	0.5/1.0/1.5/1.75	1000 (CO)	1700x1800	2500x2200
1600	21	0.5/1.0/1.5/1.75	1100 (CO)	1800x1950	2650x2350
1800	24	0.5/1.0/1.5/1.75	1100 (CO)	1800x2100	2650x2500
2000	26	0.5/1.0/1.5/1.75	1200 (CO)	2000x2100	2850x2500

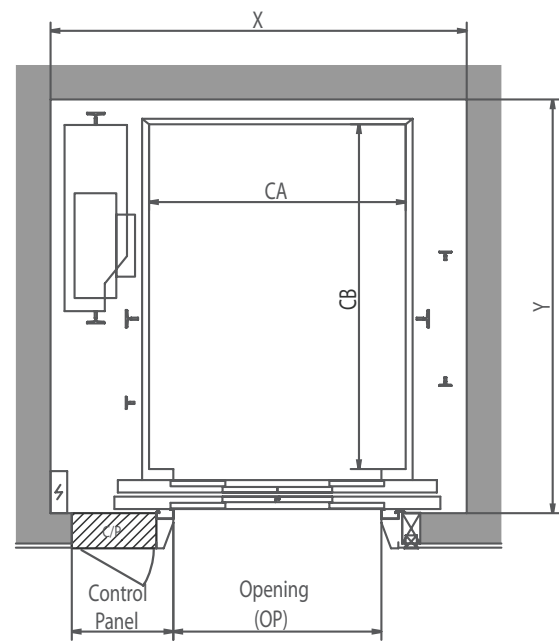
SIDE OPENING STANDARD DIMENSIONS (units: mm)

Capacity		Speed m/s	Max Clear Opening	Car Inside CA x CB	Hoistway X x Y
KG	Persons				
1350	18	0.5/1.0/1.5/1.75	1200 (SO)	1300x2350	2150x2800
1600	21	0.5/1.0/1.5/1.75	1200 (SO)	1500x2350	2350x2800
1800	24	0.5/1.0/1.5/1.75	1300 (SO)	1600x2350	2450x2800
2000	26	0.5/1.0/1.5/1.75	1400 (SO)	1750x2350	2600x2800

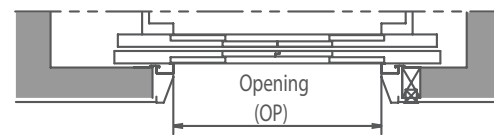
Speed m/s	Min. Overhead OH (mm)	Min. Pit PP (mm)	Max Travel TR (m)
0.5	3800	1400	25
1.0	3900	1400	45
1.5	4000	1550	65
1.75	4050	1600	75

Note: HC = 2350 (Clear Height)  
2:1 underslung arrangement

HOISTWAY PLAN

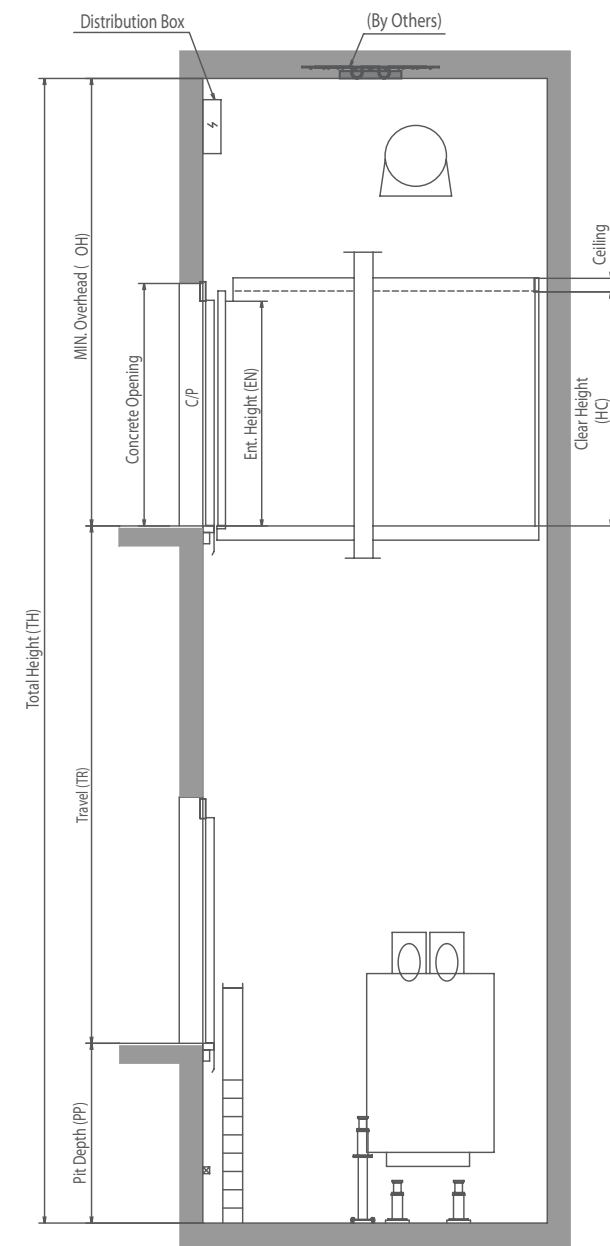


Top Floor (with control panel)  
4 Panels Center Opening



OTHER FLOORS

HOISTWAY SECTION



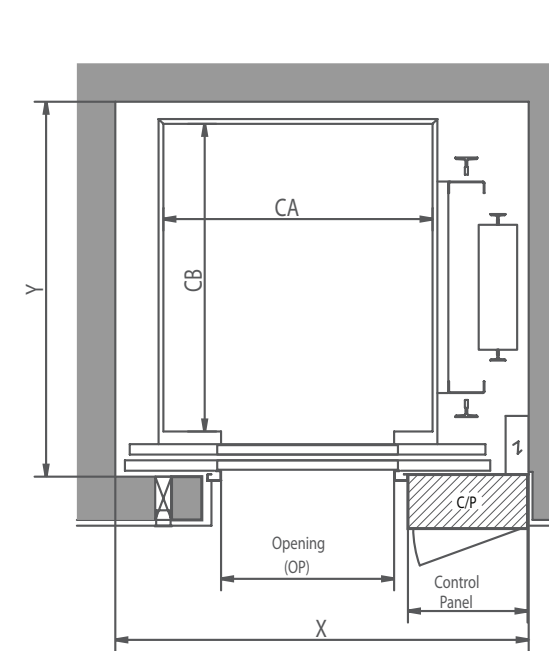
CENTER OPENING STANDARD DIMENSIONS (units: mm)

Capacity		Speed	Max Clear	Car Inside	Hoistway
KG	Persons	m/s	Opening	CA x CB	X x Y
2500	33	0.5/1.0	1600 (2CO)	1950x2500	3100x3000
3000	40	0.5/1.0	1800 (2CO)	2050x2800	3200x3300
3500	46	0.5/1.0	2000 (2CO)	2250x2900	3550x3400
4000	53	0.5/1.0	2200 (2CO)	2500x2900	3800x3400

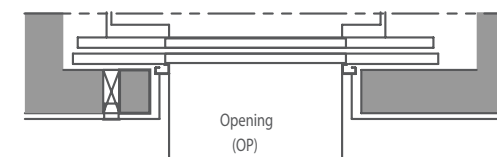
Capacity	Speed	Min. Overhead OH	Min Pit	Max. Travel
KG	m/s	(mm)	PP (mm)	TR (m)
2500/3000	0.5/1.0	3900	1600	25/45
3500/4000	0.5/1.0	3900	1800	25/45

Note: HC = 2300 (Clear Height)  
2:1 underslung arrangement

HOISTWAY PLAN

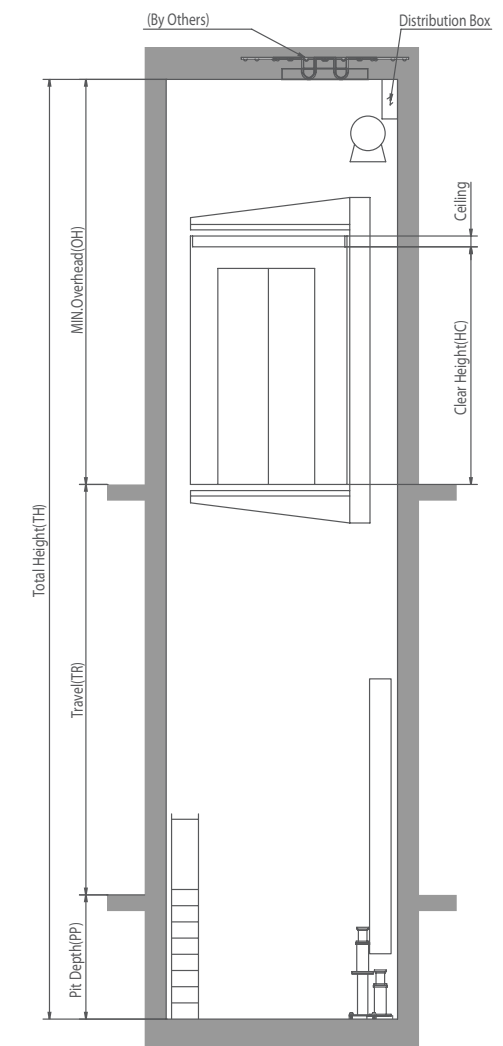


Top Floor (with control panel)



OTHER FLOORS

HOISTWAY SECTION



Capacity (1:1)		Speed	Max Clear	Car Inside	Hoistway
KG	Persons	m/s	Opening	CA x CB	X x Y
630	8	0.5/1.0	800 (SO)	1100x1400	1700x1800
800	10	0.5/1.0	900 (SO)	1400x1400	2000x1800
1000	13	0.5/1.0	900 (CO)	1500x1550	2100x1900

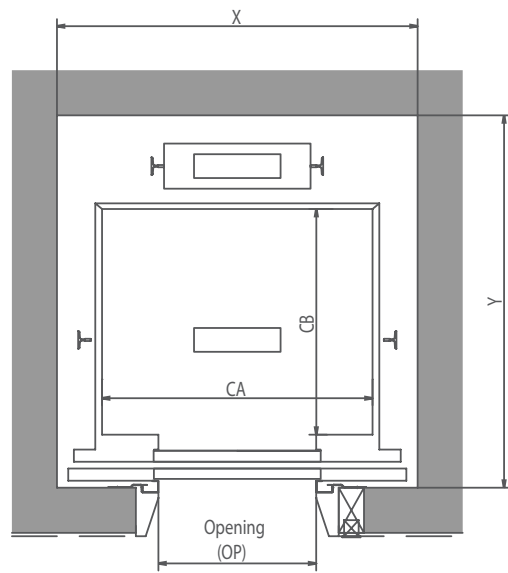
Capacity (2:1)		Speed	Max Clear	Car Inside	Hoistway
KG	Persons	m/s	Opening	CA x CB	X x Y
1150	15	0.5/1.0	1000 (CO/SO)	Customer's Requirement	
1350	18	0.5/1.0	1000 (CO/SO)	Customer's Requirement	

Speed (1:1)	Min. Overhead	Min. Pit	Max Travel
m/s	OH (mm)	PP (mm)	TR (m)
0.5	3700	1100	25
1.0	3700	1100	45

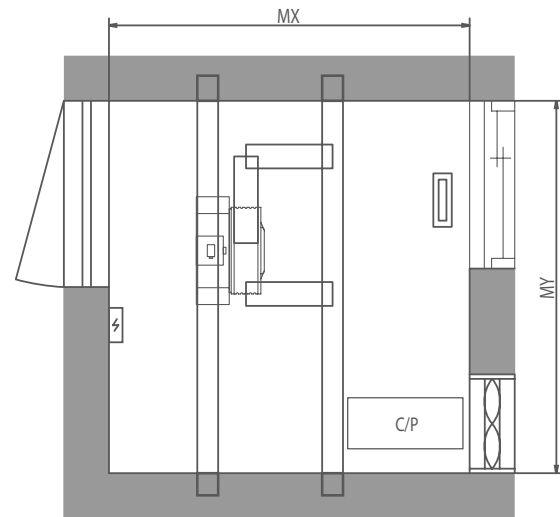
Speed (2:1)	Min. Overhead	Min. Pit	Max Travel
m/s	OH (mm)	PP (mm)	TR (m)
0.5	3850	1250	25
1.0	3850	1250	45

Note: HC = 2200mm (Clear Height)

**HOISTWAY PLAN TYPE I**



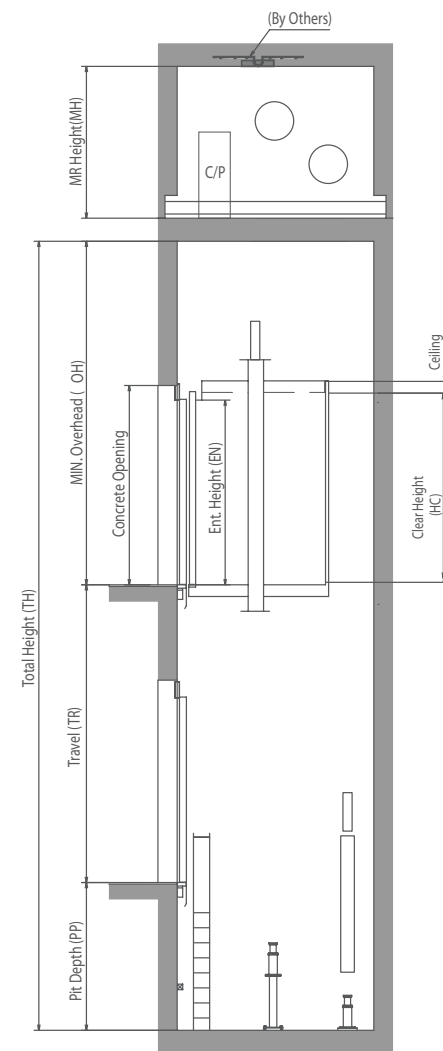
**PIT PLAN**



**OVERHEAD PLAN**

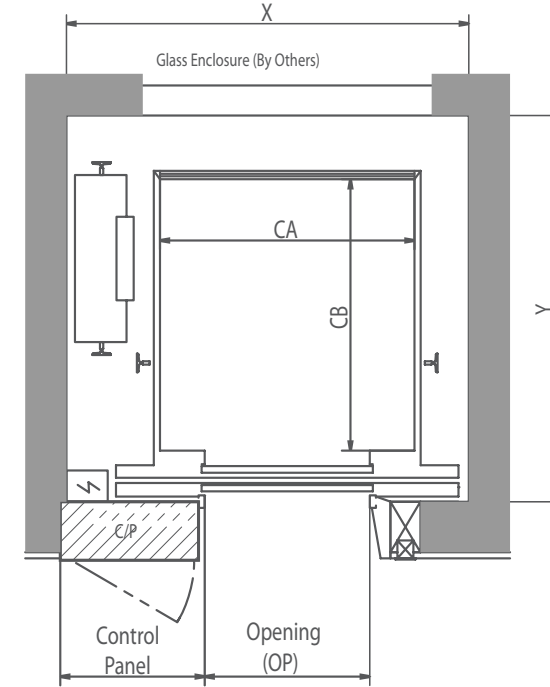
Speed m/s	Min. Overhead OH (mm)	Min. Pit PP (mm)	MR Height MH (mm)
1.0	4300	1400	2200
1.5	4500	1600	2200
1.75	4600	1700	2200
2.0	4800	2100	2200
2.5	5000	2400	2200

**HOISTWAY SECTION**

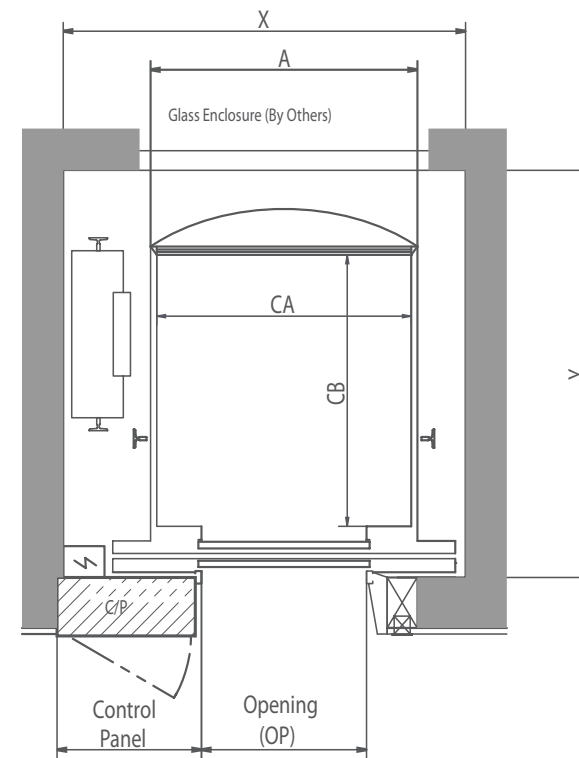


CENTER OPENING STANDARD DIMENSIONS (units: mm)					
Capacity		Speed m/s	Max Clear Opening	Car Inside	Hoistway
KG	Persons			CA x CB	X x Y
630	8	1.0/1.5/1.75	800	1400x1100	1800x1750
800	10	1.0/1.5/1.75	800	1400x1350	1800x2000
900	12	1.0/1.5/1.75	900	1600x1350	2050x2000
1000	13	1.0/1.5/1.75	900	1600x1500	2050x2150
1150	15	1.0/1.5/1.75	1000	1800x1500	2250x2150
1350	18	1.0/1.5/1.75	1000	1800x1700	2350x2400
1600	21	1.0/1.5/1.75	1000	2000x1750	2550x2450
800	10	2.0/2.5	800	1400x1350	2000x2150
900	12	2.0/2.5	900	1600x1350	2200x2150
1000	13	2.0/2.5	900	1600x1500	2300x2300
1150	15	2.0/2.5	1000	1800x1500	2500x2300
1350	18	2.0/2.5	1000	1800x1700	2500x2500
1600	21	2.0/2.5	1000	2000x1750	2700x2550

**HOISTWAY PLAN TYPE I**

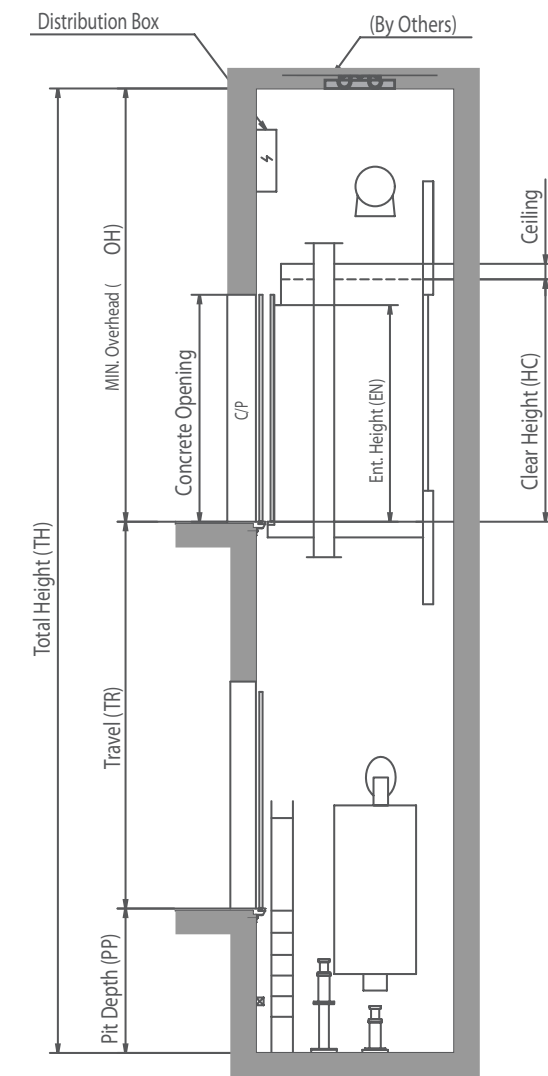


**HOISTWAY PLAN TYPE II**



**Top Floor (with control panel)**

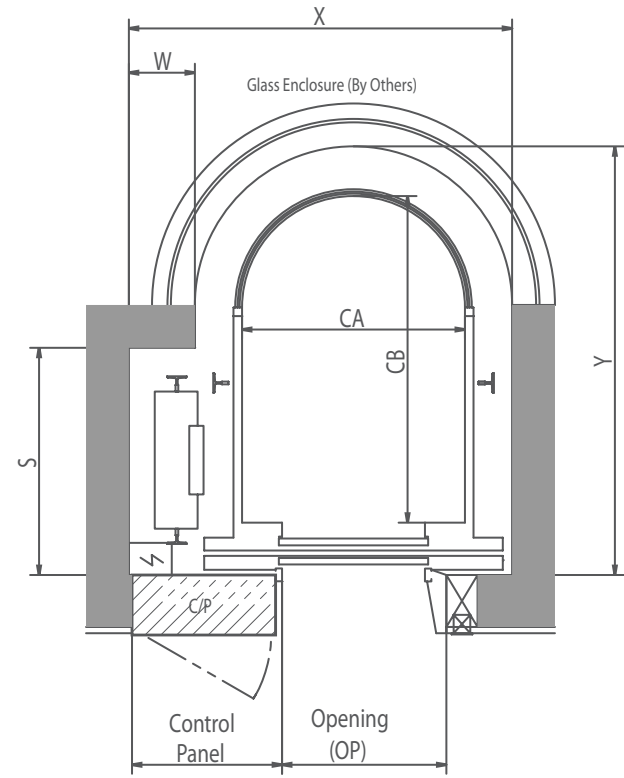
**HOISTWAY SECTION**



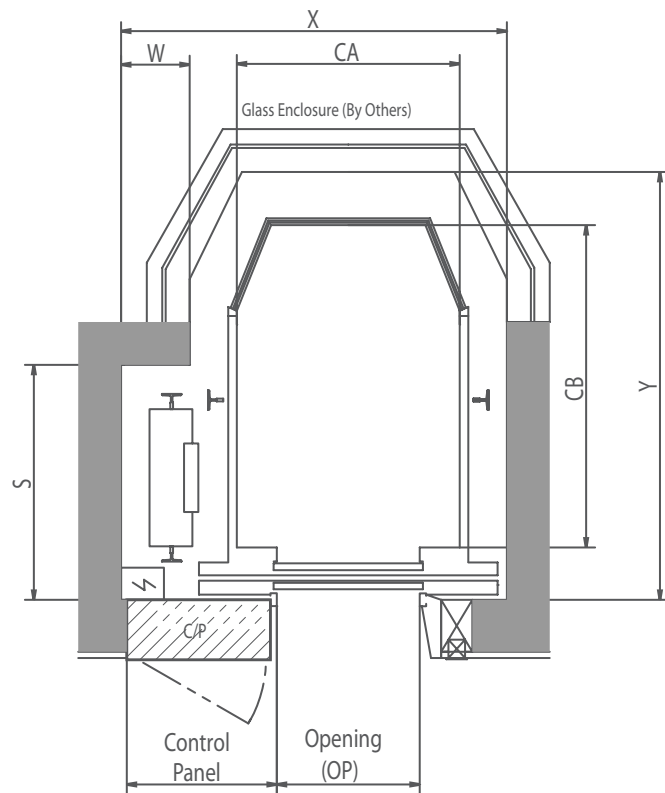
CENTER OPENING STANDARD DIMENSIONS (units: mm)						
Cage	Capacity		Speed m/s	Max Clear Opening	Car Inside	Hoistway
	KG	Persons			CA x CB	X x Y
I	630	8	0.5/1.0	700 (CO) 800 (CO)	1100x1400	1850x1950 1950x1950
	800	10	0.5/1.0/1.5/1.75	800 (CO)	1300x1500	2050x2000
	1000	13	0.5/1.0/1.5/1.75	900 (CO)	1400x1550	2250x2100
II	630	8	0.5/1.0	700 (CO) 800 (CO)	1100x1400	1850x1950 1950x1950
	800	10	0.5/1.0/1.5/1.75	800 (CO)	1300x1500	2050x2000
	1000	13	0.5/1.0/1.5/1.75	900 (CO)	1400x1550	2250x2100

Note: HC = 2350 (Clear Height)

HOISTWAY PLAN

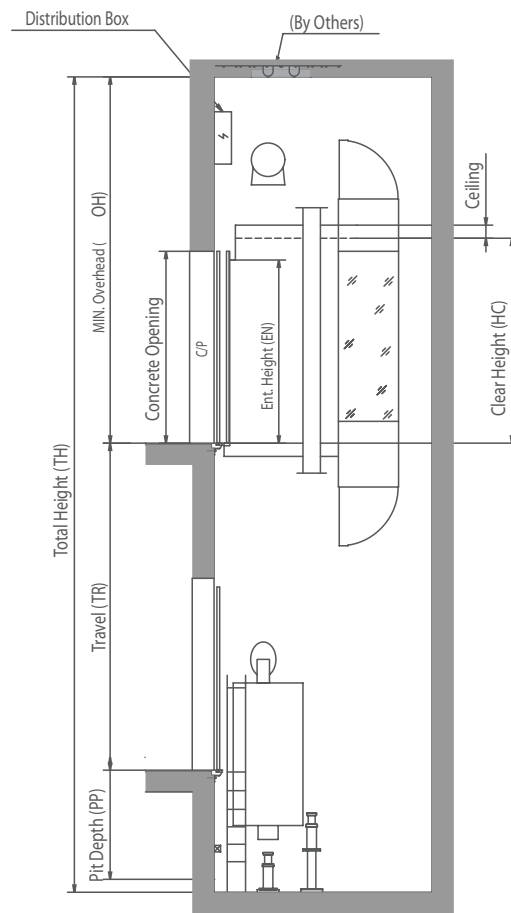


HOISTWAY PLAN TYPE IV

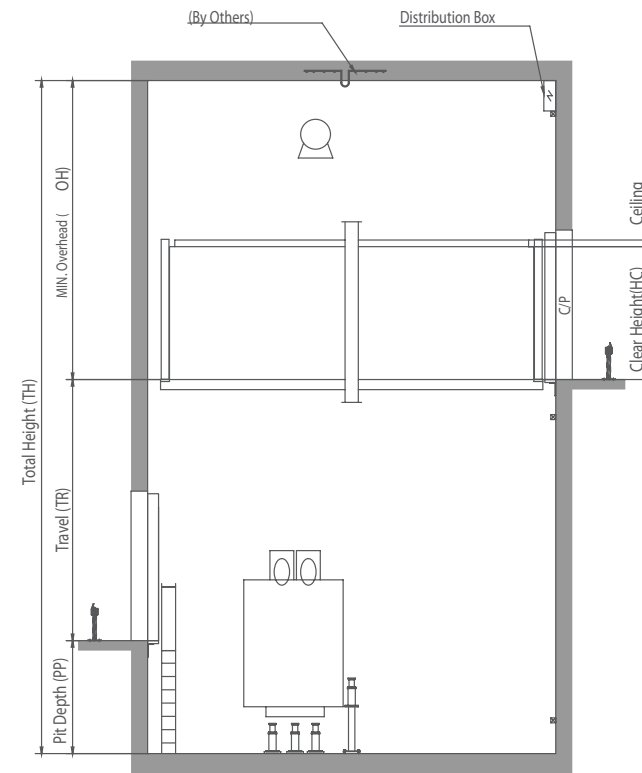
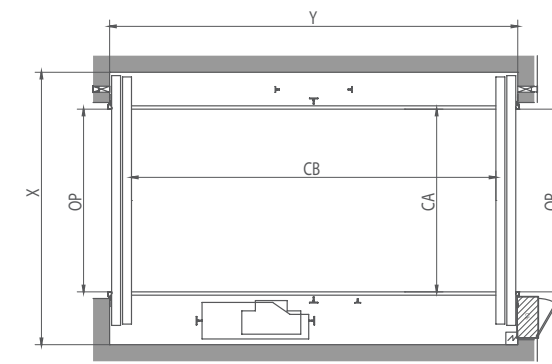


Top Floor (with control panel)

HOISTWAY SECTION



TRACTION VEHICLE LIFT Machine Room-Less



Machine Room-Less traction vehicle lifts shown. Also available for hydraulic and vehicle lift applications.

CENTER OPENING STANDARD DIMENSIONS (units: mm)

Cage	Capacity		Speed m/s	Clear Opening	Car Inside		Hoistway	
	KG	Persons			CA x CB	X x Y	S	W
III	800	10	0.5/1.0/1.5/1.75	800 (CO)	1300x1710	2200x2250	1250	440
			0.5/1.0	800 (CO)	1300x1950	2240x2500	1325	390
	1000	13	1.5/1.75	900 (CO)	1350x1900	2350x2450	1250	390
			0.5/1.0	900 (CO)	1350x1900	2350x2450	1250	390
IV	800	10	0.5/1.0/1.5/1.75	800 (CO)	1300x1600	2200x2150	1200	440
			0.5/1.0	800 (CO)	1300x1880	2240x2450	1325	390
	1000	13	1.5/1.75	900 (CO)	1350x1830	2350x2400	1250	390
			0.5/1.0	900 (CO)	1350x1830	2350x2400	1250	390

Capacity (kg)	Speed m/s	Min. Overhead OH (mm)	Min. Pit PP (mm)	Max Travel TR (m)
800	0.5	4600	2000	25
	1.0	4600	2000	45
	1.5	4700	2100	65
	1.75	4750	2200	75
1000	0.5	4200	2000	25
	1.0	4200	2000	45
	1.5	4300	2100	65
	1.75	4350	2200	75

Note: HC = 2350 (Clear Height)

SPECIFICATIONS

CENTER OPENING STANDARD AREA DIMENSIONS (units: mm)

Type	Specification	Clear Opening	Car Interior	Hoistway	Machine Room
		OP	CA x CB	X x Y	MX x MY
Hydraulic	A2500-C030/45	2350	2350x5310	3450x5970	2500x2800
	A3000-C030/45	2400	2400x6250	3550x6910	
	A3500-C030/45	2750	2750x6350	3950x7010	
Traction Machine Room	A2500-C030/60	2350	2350x5310	3700x5970	2500x2800
	A3000-C030/60	2400	2400x6250	3750x6910	
	A3500-C030/60	2750	2750x6350	4100x7010	
Traction Machine Room-Less	A2500-C030/60	2350	2350x5310	3700x5970	n/a
	A3000-C030/60	2400	2400x6250	3750x6910	
	A3500-C030/60	2750	2750x6350	4100x7010	

PERFORMANCE AND VERTICAL DIMENSIONS (units: mm)

Type	Speed m/s	Capacity	Overhead	Pit Depth	Machine Room Height	Car Height
		KG	OH	PP		
Hydraulic C030	0.5	2500/3000/3500	3400	1250	2000	2000
Hydraulic C045	0.75	2500/3000/3500	3400	1250	2000	2000
Traction MR C030	0.5	2500/3000/3500	4400	1600	2400	2000
Traction MR C060	1.0	2500/3000/3500	4400	1600	2400	2000
Traction MRL C030	0.5	2500	3900	1800	n/a	2000
Traction MRL C060	1.0	2500	3900	1800	n/a	2000
Traction MRL C030	0.5	3000	3900	1800	n/a	2000
Traction MRL C060	1.0	3000	3900	1800	n/a	2000
Traction MRL C030	0.5	3500	4150	1800	n/a	2000
Traction MRL C060	1.0	3500	4150	1800	n/a	2000

Kinetek elevator cabs, entrances and doors are engineered and manufactured to the highest industry standards. We provide complete cabs in a variety of finishes.

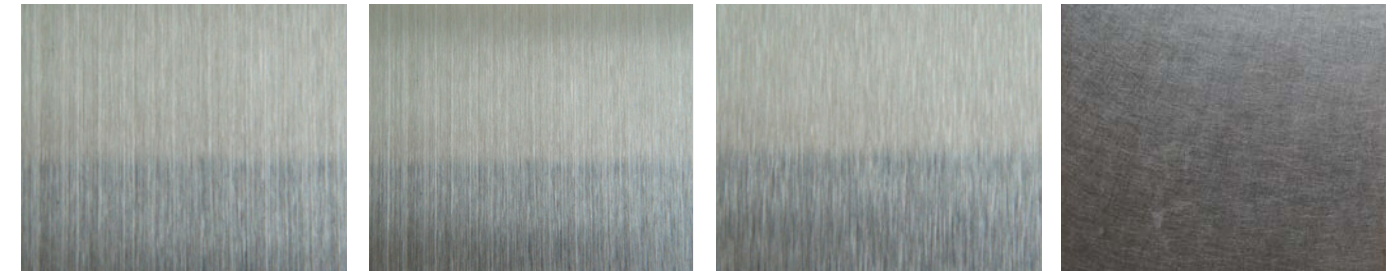
## Classic



Stainless Steel



## Classic Stainless Finishes



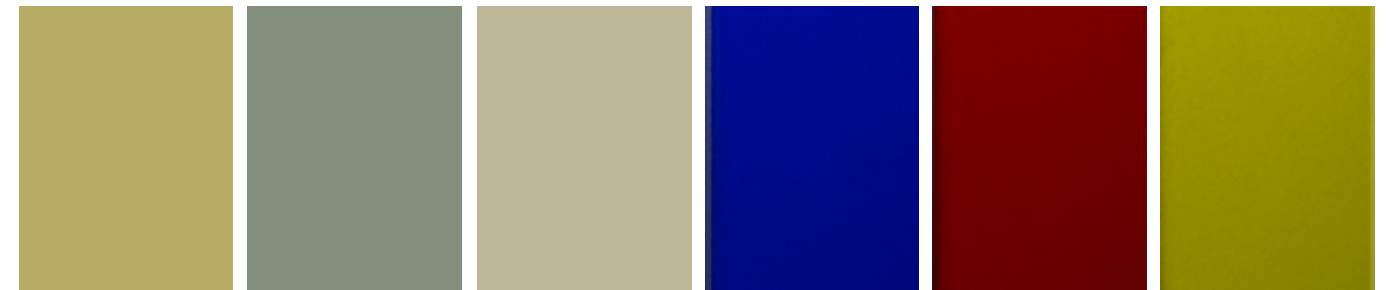
Hairline

Marine

Satin

Linished

## Classic Laminate & Formica Finishes\*



7024

0905

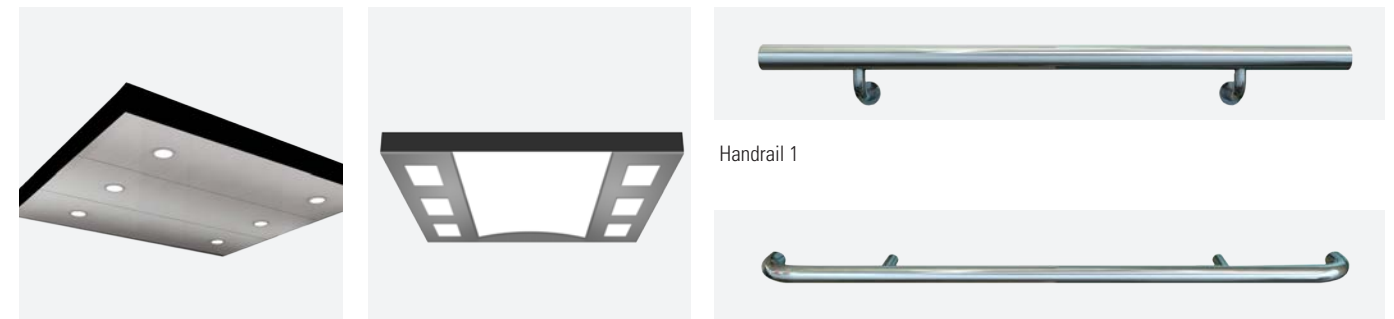
0925

Formica Color Finish - Blue

Formica Color Finish - Red

Formica Color Finish - Yellow

## Classic Lightings and Handrail Finishes\*



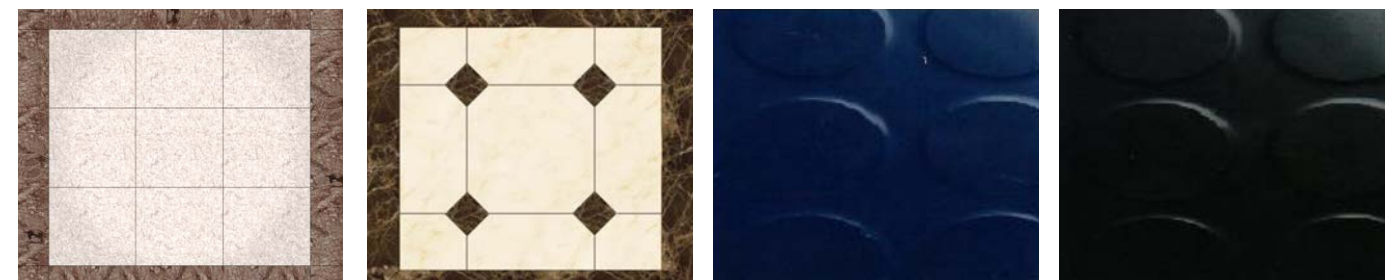
Flat Stainless Steel w/ LED downlights

Suspended Ceiling

Handrail 1

Handrail 2

## Classic Flooring Finishes\*



FH-01

FH-02

KT-F002 (PVC)

KT-F003 (PVC)

\* For more color options, contact your sales representative.





## Prestige



HSEQ-618



HSEG-731



HSEQ-832



Back Painted Glass

## Prestige Wood Finishes



Beech (F-2074)

Cherry (F-7333)

Oak (F-2185)

Teak (F-R0246)

Walnut (F-63-1)

## Prestige Glass Finishes



RAL1014

RAL2011

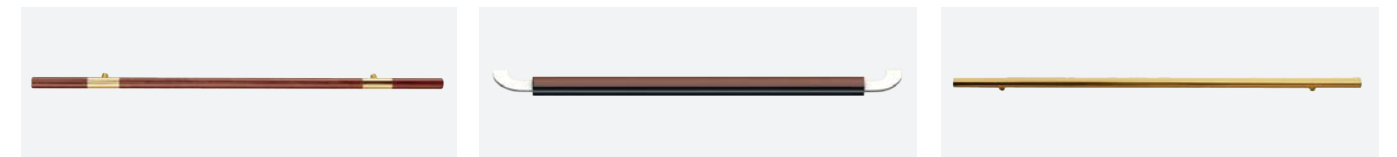
RAL3002

RAL5024

RAL6019

RAL6034

## Prestige Handrail Finishes

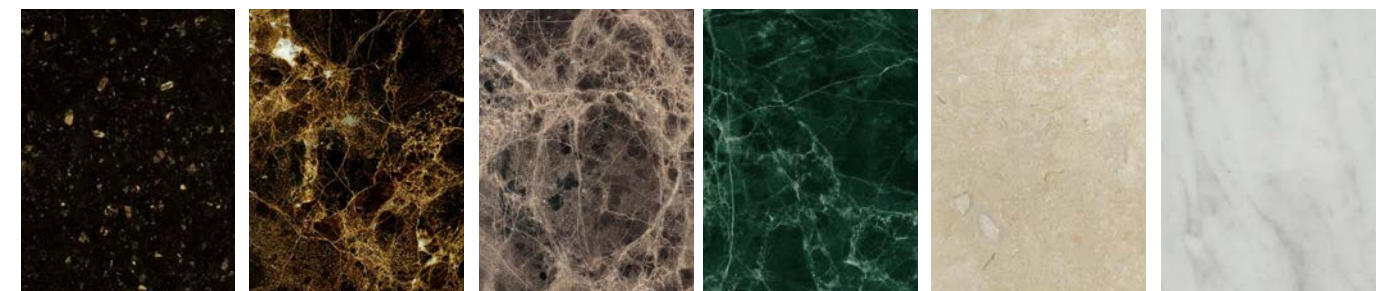


6F1

6F2

J9707

## Prestige Flooring Finishes



Black

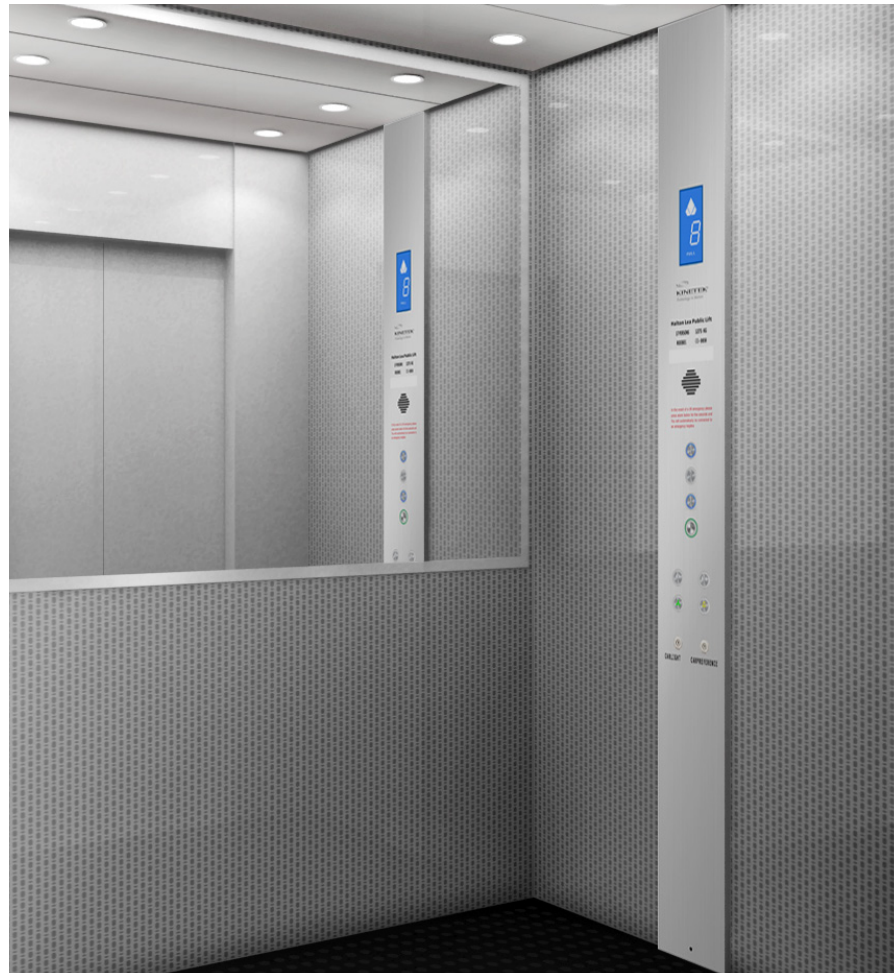
Brown

Gray

Green

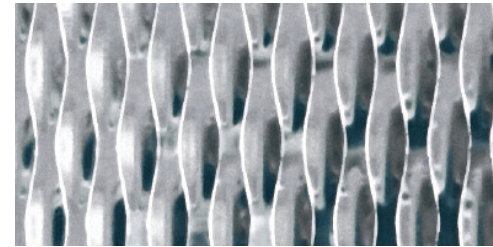
Ivory

White

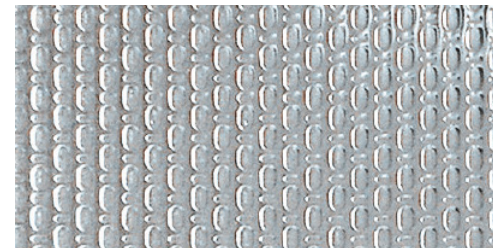


Large SS Pattern Image

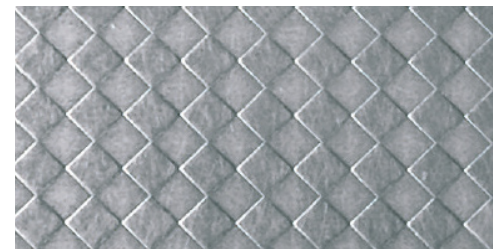
Pattern SS Finishes



5WL



Linen



Rhomboids

Pattern SS Flooring



Flooring 1



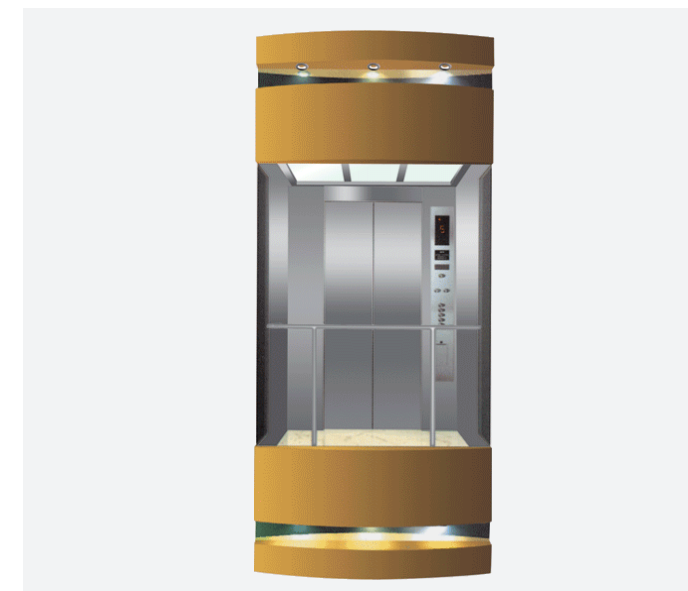
Flooring 2



KT-OR001



KT-OR002

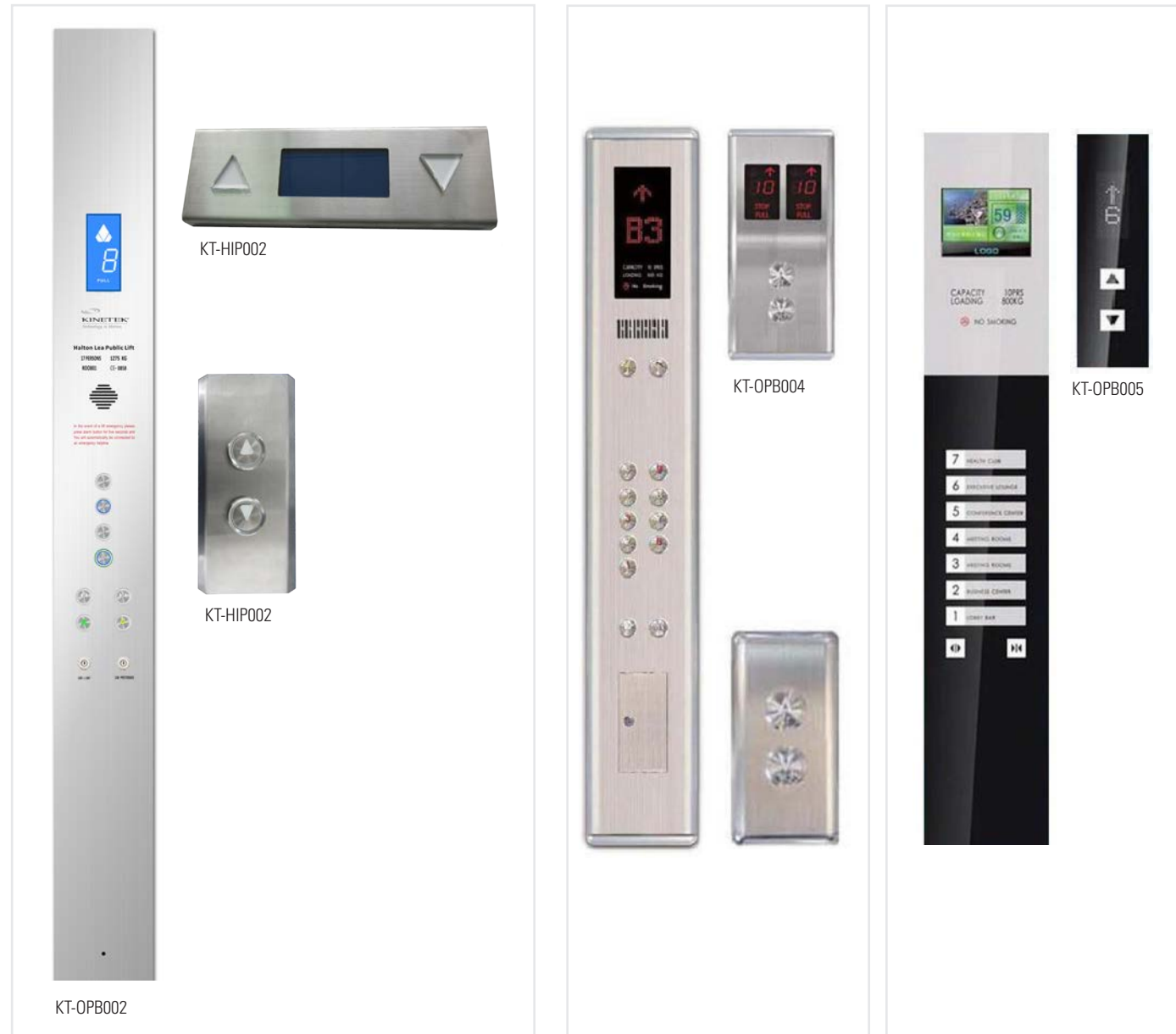


KT-OR003



KT-OR004

Kinetek elevator packages feature beautiful yet rugged car and hall fixtures.



Kinetek Direct Replacement Modernization Packages are designed to replace AC geared machines in 1:1 and 2:1 roped applications. Modernization packages provide all the advantages of ACPM, synchronous technology in a package engineered to provide everything you need to replace an existing geared machine in the shortest possible time.

Compared to geared machines, ACPM technology delivers an average 30% improvement in energy efficiency, reduced noise levels, cooler operating temperatures, better ride quality, and improved control during acceleration and deceleration.

Direct replacement modernization packages reduce engineering calculation and installation time — allowing profitable, repeatable modernizations.

### ACPM Gearless Modernization Package

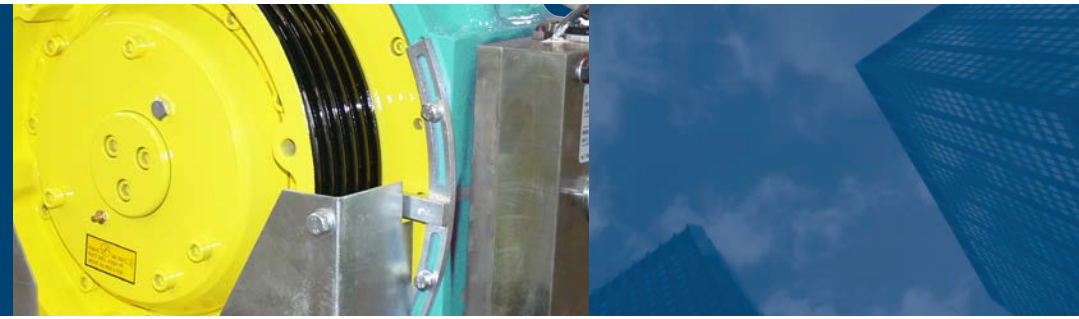


#### Features

- Installation time savings with much less work on-site
- Accurate control across the speed range
- Green - no oil lubricants
- Low speed direct drive (no gears)
- Cooler operation
- Dual, independent brakes allow external rope brake to be eliminated (each brake will hold 125% of rated capacity)
- Complete hardware package eliminates on-site engineering calculation and fabrication of heavy base and beam structures

#### Applications

- Modernization or new construction
- Accurate control across the speed range



## WTY1 Series

**Compact package and high performance.**

Capacity: 320 kg - 1600 kg 2:1 roping  
Elevator Speed: 0.63 m/s - 2.5 m/s

Capacity: 320 kg - 800 kg 1:1 roping  
Elevator Speed: 1.0 m/s - 2.5 m/s

## WJ Series

**Compact size, powerful acceleration.**

Capacity: 320 kg - 1000 kg 2:1 roping  
Elevator Speed: 0.63 - 1.75 m/s

## WTY2 Series

**Power over a wide range of applications.**

Capacity: 1600 kg - 4000 kg 2:1 roping  
Elevator Speed: 1.0 m/s - 2.5 m/s

## WR Series

**The perfect MRL solution.**

Capacity: 320 kg - 1000 kg 1:1 roping  
Elevator Speed: 1.0 - 1.75 m/s

Capacity: 450 kg - 2000 kg 2:1 roping  
Elevator Speed: 1.0 - 1.75 m/s

## SWTY1 Series

**Compact package and high performance.**

Capacity: 320 kg - 800 kg  
Elevator Speed: 2.5 m/s

## WTYF2 Series

**High speed, high performance.**

Capacity: 1000 kg - 1600 kg 2:1 double wrap  
Elevator Speed: 3.0 - 4.0 m/s

## SWTY2 Series

**1:1 roping for high power requirements.**

Capacity: 1000 kg - 2000 kg  
Elevator Speed: 1.0 - 2.5 m/s

## Frame 800 Series

**High speed, high performance.**

Capacity: 900 kg - 2040 kg 1:1 roping  
Elevator Speed: 6.0 m/s

Capacity: 1360 - 3625 kg 2:1 roping  
Elevator Speed: 3.5 m/s



**Progressive Safeties**

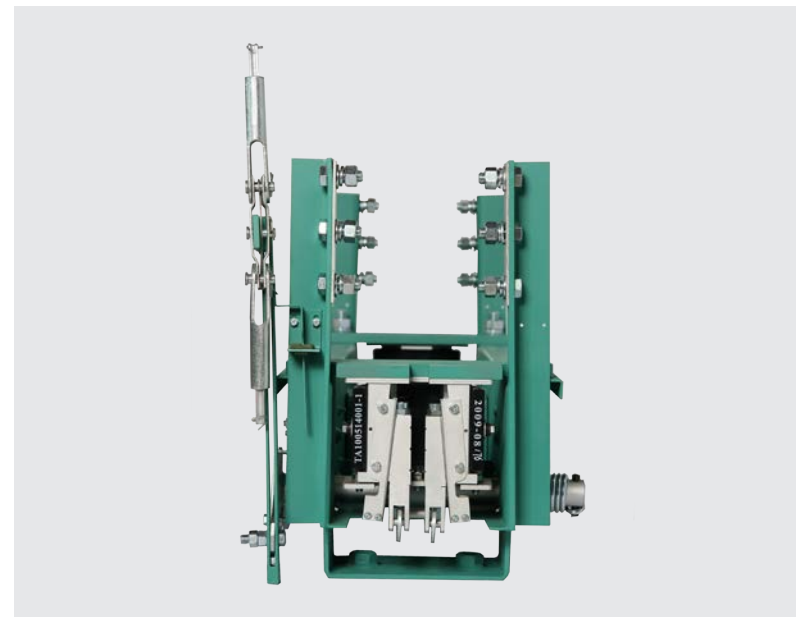
Progressive elevator safety. GB 7588-2003, EN81-1:1998 compatible.

**Applications**

- Modernization or new construction

**Benefits**

- Quality construction



Models	AQ10	AQ5Z
Tripping speed	0.58 to 2.62 m/s	≤ 3.22 m/s
Minimum mass	1200 kg	1200 kg
Maximum mass	3000 kg	4000 kg

**Buffers**

High quality, EN 81 compliant, hydraulic compression, spring return buffers. Buffers are provided with compression switch and oil level dipstick.

**Applications**

- Modernization or new construction

**Benefits**

- Rapid return
- Quality construction

**Acceptable Hydraulic Oils**

- Mobil D.T.E. 26
- Esso Nuto H 68
- Shell Tellus Oil 68
- Sunoco Sunvis 831 WR
- Texaco Rando Oil HDC 68



Models	YH/100	YH/175	YH/206
Minimum speed	1.0 m/s	1.6 m/s	1.75 m/s
Maximum impact speed	1.15 m/s	1.84 m/s	2.01 m/s
Minimum mass	900 kg	900 kg	900 kg
Maximum mass	3000 kg	3000 kg	3000 kg
Hydraulic oil type	L-HM 66	L-HM 66	L-HM 66

**Overspeed Governor**

The XS200 is a bi-directional, centrifugal overspeed governor designed to trip at 1.45 m/s in the up direction and at 1.34 m/s in the down direction.

**Applications**

- Modernization or new construction

**Benefits**

- Bi-directional operation
- Pre-trip overspeed switch
- Slack rope switch



Model	XS-200
Application	Bi-directional overspeed
Steel wire rope diameter	6 mm
Car rated speed	1.0 m/s
Pulling force of safety gear	≥ 600 N



## iControl

**Features and capabilities unmatched in the industry.**

iControl is the revolutionary platform that outperforms today's industry-standard controllers.

- Contract Speed (meters per second): 10 m/s
- Floors/Openings: 96/192
- Group Size: to 15 cars

## ZK-CAN3200C

**Simplex/duplex/groups to six cars.**

The ZK-CAN 3200C is suitable for elevators up to 64 floors, full collective, duplex and group control.

- Contract Speed (meters per second): 4 m/s
- Floors/Openings: 64/128
- Group Size: to 6 cars

## Motion 4000 AC

**Flexible, high performance traction controls for low- and mid-rise applications.**

The Motion 4000 traction elevator control is designed to meet the needs of elevator installations by making the jobs of installers, adjusters, and maintenance personnel as straightforward as possible with minimal hardware requirements.

- Contract Speed (meters per second): 6 m/s
- Floors/Openings: 32/64
- Group Size: to 8 cars

ZK 3000B  
Traction Control**When Space is Limited.**

ZK 3000B VVVF and VVVF MRL uses a building block approach resulting in a small number of circuit boards with logically grouped functionality, linked by a high speed CAN bus. The main controller handles hoistway and machine room equipment. The car control board handles all car related equipment.

- Contract Speed (meters per second): 2 m/s
- Floors/Openings: 64/128
- Group Size: to 8 cars

## Motion 4000 AC MRL

**A Compact Solution for Limited Space and Unlimited Performance.**

The Motion 4000MRL traction elevator package is the ideal solution when time and space are limited and your bottom line depends on on-time delivery, easy installation, and solid reliability.

- Contract Speed (meters per second): 4 m/s
- Floors/Openings: 32/64
- Group Size: to 8 cars

Motion 3000ES  
Escalator Control**Clean. Simple. Economical. Dependable.**

The Motion 3000ES Escalator Control brings new technology and control sophistication to the escalator market. Available in VVVF Variable Speed or Wye/Delta Direct Line Control versions, the 3000ES is quality-engineered from concept to completion.

- Contract Speed (meters per second): Limited to 100 fpm — 0.5 m/s in most areas

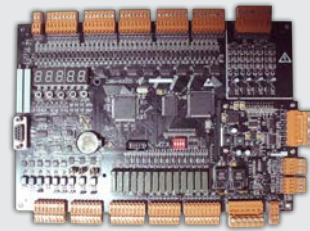
## Motion 2000 Hydraulic Control

**Clean. Simple. Economical. Dependable.**

The Motion 2000 hydraulic control solution is simple to install and maintain and supports simplex, duplex or group control.

- Contract Speed (meters per second): 200 fpm — 1.0 m/s
- Floors/Openings: 32/64
- Group Size: to 8 cars

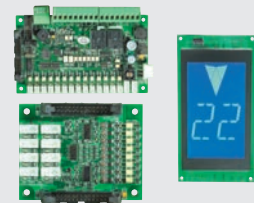
K-4000S



**High speed control for mid to high rise passenger and freight applications**

- Machine room (traction) and Machine roomless
- Up to 64 stops (front and rear doors)
- Speed up to 6.0 m/s - ETSL
- Supports S-Curve (direct to floor/true distance feedback) and stepping system
- Group control to 8 cars with group controller
- CAN and GPRS remote monitoring
- Handheld adjustment tool for in-car and machine room
- Auto floor learn & improved user interface
- Reduced traveling cable

ZXK 3200 Control Board



**Simplex/duplex/groups to eight cars**

- Philips CPU, 512K Flash ROM, program easily upgradable
- CAN BUS LAN serial communication technique at speeds of up to 125 kbps, rapid feedback
- LCD display, high safety and reliability with help of classified code protection
- Clock and fault diagnosis function, automatically recording fault information (type, time and position)
- Double door machine control (optional)
- Serial communication and modular structure applied, an instruction board for processing car signals and controlling the door machine directly
- Remote monitoring function, duplex is available
- Integration of hall call instruction and hall indication. Dot matrix and rolling display for direction and speed.
- Suitable for elevators up to 64 floors, full collective, duplex and group control up to 8 cars (without group controller)
- Electric brake release (optional)

K-TFT LCD



**High resolution 4.3" color LCD**

- Field adjustable display via PC
- Display imported symbols or graphics from customers
- Large display characters that comply with various country codes
- Outputs for hall lanterns
- Build-in buzzer for call acknowledgement option
- Very slim design for surface mount LOP

Fusion merges two previously distinct technologies — elevator control functionality and elevator drive performance — into a single, efficient union.

With Fusion, installation is simpler because the task of wiring the controller and drive has been eliminated. Because Fusion is a single unit, there is no additional wiring required between the controller and drive. After installation is complete, the advantages of Fusion continue through the set up process. Set up is much simpler because controller and drive parameters are synched as a single unit, and easy to adjust using the onboard keypad and LED display.

**Applications**

- Modernization or new construction
- Speeds to 4.0 m/s
- Simplex/duplex to 8 cars
- Synchronous or asynchronous motor

**FUSION™ Innovative, Integrated**  
Elevator Control and Drive in a Single Unit



FEATURE	SPECIFICATION	DESCRIPTION
Power supply	Three-phase, AC	380V ± 15%
	Frequency	50 - 60 Hz ± 5%
	Power factor Cos	> 0.92
	Power range	7.5 - 30 kW
Output	Voltage range	0 - rated input voltage
	Frequency range	50 - 1000 Hz

Kinetek's Destination Based Dispatching is an innovative dispatching system that enhances building traffic flow by intelligently matching passengers to elevator cars and achieving optimal efficiency.

## Destination entry is the first step for the passenger



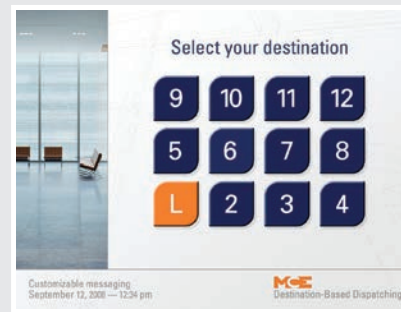
10.4 inch applied mount

### Touch Screens

Finish: #4 stainless steel



10.4 inch surface mount



(A) Pick the floor

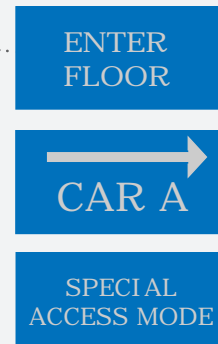


(B) Pick the number of riders

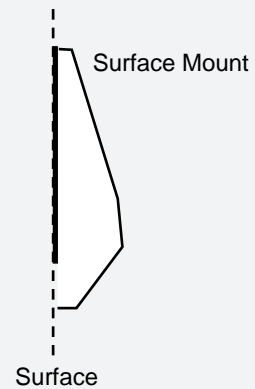
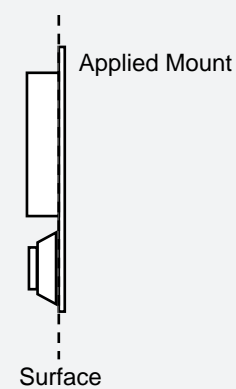


(C) Note the assignment

## Keypad Destination Entry

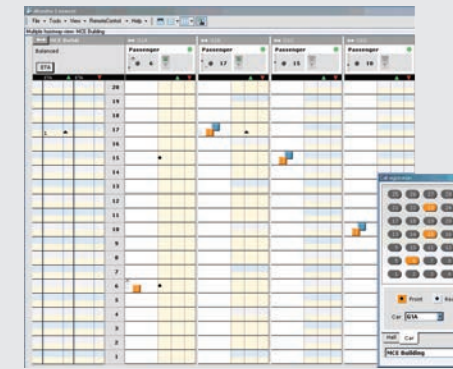


## Mounting Options



## Real time monitoring for all Kinetek controls

### iMonitor



### Elevator group monitoring application.

iMonitor provides real-time viewing and access — for elevators just across the hall, in multiple buildings across a campus, even multiple sites across the country. iMonitor's graphical presentation and real-time connectivity provide up-to-the-minute information and allow you to take control if needed.

iMonitor provides general views of multiple elevator groups, hoistway views of multiple cars within a group or detailed views of selected cars. Create "connection sets" to display — each connection set consists of up to fifty connections to elevator group dispatchers, each of which may be at a different physical site.

iMonitor also allows you to configure hall and car call security, enable or disable special group modes of operation, recall a car to a floor you specify, control its door operation at that floor and enable or disable individual car operating modes.

### High level multi-group view.

Use iMonitor's high-level views to maintain a broad perspective on several groups simultaneously.



### Detailed single-group view.

Narrow your attention to cars in a particular elevator group with a click of the mouse.



### Campus View



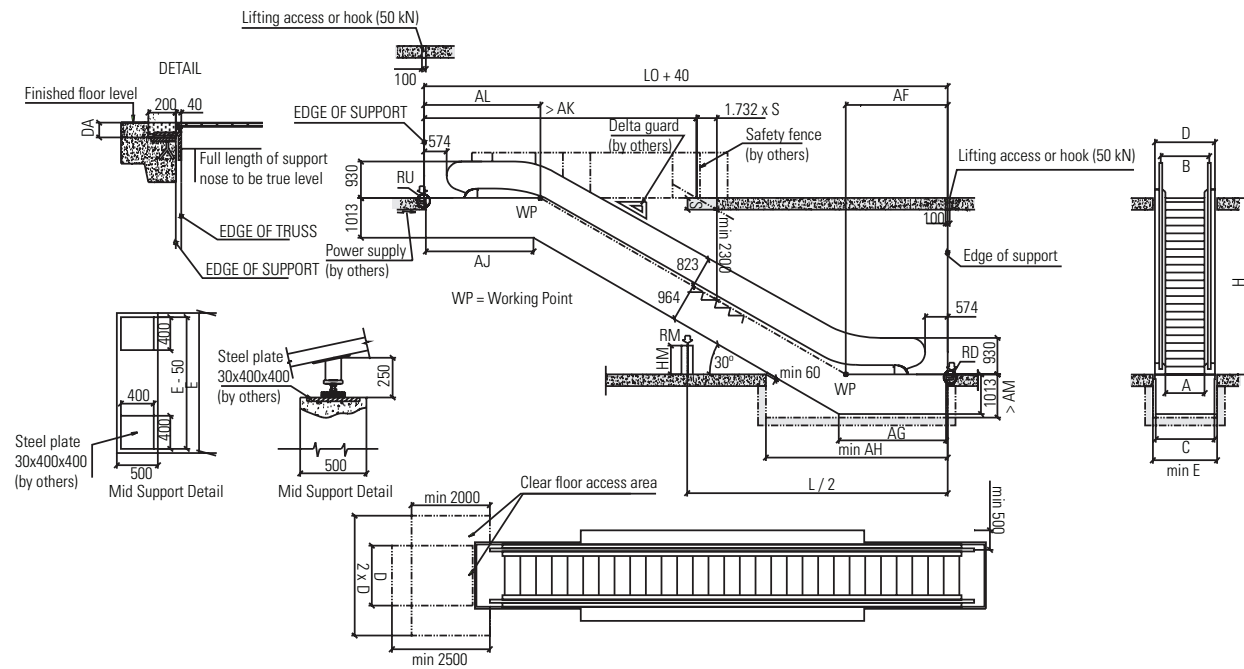
### Customized, three-dimensional layout of your site.

Kinetek's innovative Campus View software will allow you to view a customized, three-dimensional layout of your site. Structures with elevators or escalators use lighted icons to indicate normal conditions and to immediately alert you if a unit is operating in any mode other than normal operation.

"Mouse over" a transportation group to view connection information. Click on a group icon to access detailed information about each elevator car.



30° Escalator Layout



30° ESCALATOR SPECIFICATIONS

DIMENSIONS															
H (rise in mm)	Flat Steps	A	B	C	D	E	AF	AG	AH	AJ	AK	AL	L	AM	DA
6000 to 8000	3	800	1031	1300	1330	1440	2599	2740	4640	2744	6950	2966	1.732H + 5565	In-/Outdoor Model A 1103	No rubber shock absorber 108
		1000	1231	1500	1530	1640									
3000 to 6000	2	600	837	1100	1130	1240	2199	2340	4240	2844	7050	3066	1.732H + 5265	Outdoor Model B with oil separator 1353	Rubber shock absorber 128
		800	1031	1300	1330	1440				2344	6550	2566	1.732H + 4765		
		1000	1231	1500	1530	1640									

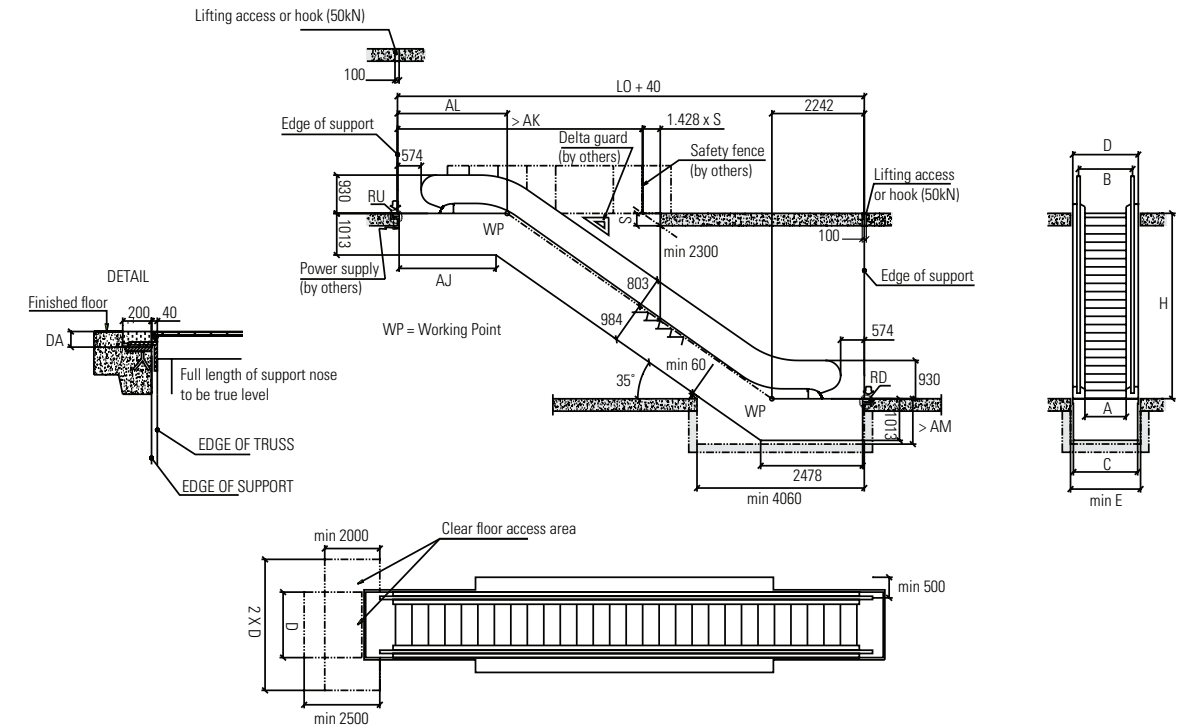
RISE / POWER / SPEED				
Type	Step Width mm	Max Height m	Power kW	Speed m/s
KM H1	1000	5.0	7.5	0.5
		6.0	9.5	0.5
	800	6.0	7.5	0.5
	600	6.0	7.5	0.5
KM 160	1000	4.7	7.5	0.5
		6.0	9.0	0.5
		6.9	11.0	0.5
		8.3	13.0	0.5
	800	6.0	7.5	0.5
		7.6	9.0	0.5
		9.0	11.0	0.5
		600	6.0	7.5

REACTIONS kN			
Step Width mm	Support Point	2 Supports	3 Supports
1000	RU	4.96L + 17.0	2.3L + 13.6
	RD	4.96L + 10.0	2.3L + 7.1
	RM	N/A	7.16L + 4.9
800	RU	4.31L + 18.0	2.02L + 6.8
	RD	4.31L + 10.0	2.02L + 6.8
	RM	N/A	6.33L + 4.8
600	RU	3.66L + 27.0	N/A
	RD	3.66L + 22.0	N/A

ESCALATOR PACKAGES

- Traction machine
- Controller
- Truss
- Driver
- Aluminum or Stainless floor plates
- Aluminum or Stainless steps
- Step chain, guide rail, side panels
- T or S style armrest entrances
- Handrail (color selection)
- Anti-pinch guard on skirt panel
- Full safety string

35° Escalator Layout



35° ESCALATOR SPECIFICATIONS

DIMENSIONS										
A	B	C	D	E	AJ	AK	AL	L	AM	DA
600	837	1100	1130	1240	2844	6450	3163	1.428H + 5405	In-/ Outdoor Model A 1103	No rubber shock absorber 108
800	1031	1300	1330	1440	2344	5950	2663	1.428H + 4905	Outdoor Model B with oil separator 1353	Rubber shock absorber 128
1000	1231	1500	1530	1640						

RISE / POWER / SPEED				
Type	Step Width mm	Max Height m	Power kW	Speed m/s
KM H1	1000	5.1	7.5	0.5
		6.0	9.5	0.5
	800	6.0	7.5	0.5
	600	6.0	7.5	0.5
KM 160	1000	4.7	7.5	0.5
		6.0	9.0	0.5
	800	6.0	7.5	0.5
	600	6.0	7.5	0.5

REACTIONS kN		
Step Width mm	Support Point	2 Supports
1000	RU	5.11L + 13
	RD	5.11L + 5
800	RU	4.41L + 15
	RD	4.41L + 9
600	RU	3.76L + 18
	RD	3.76L + 12

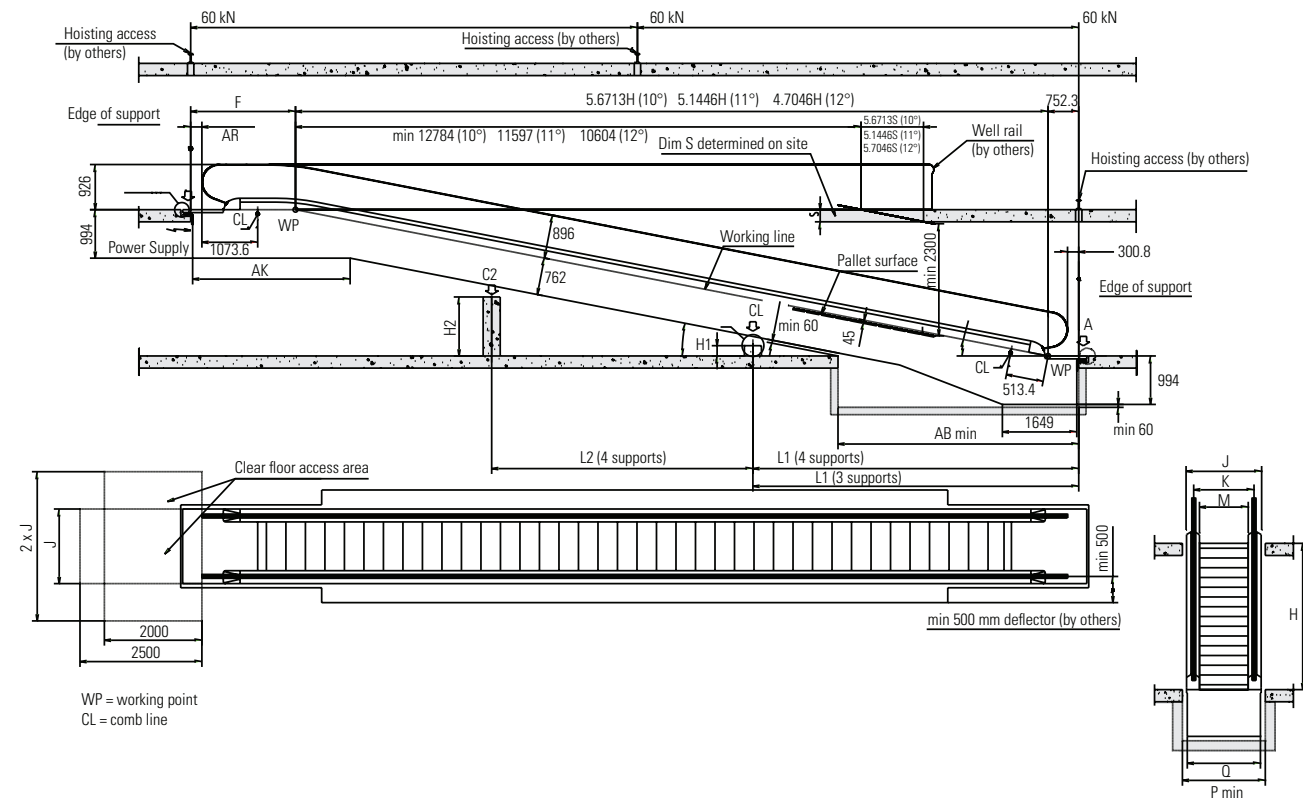
KM 160

- Vertical worm gear traction machine, 380 VAC, 50/60 Hz
- Brake voltage - 220 VAC

KM H1

- Horizontal, helical gear traction machine, 380 VAC, 50/60 Hz
- Brake voltage - 220 VAC
- Reduces energy consumption by 30% over traditional, vertical worm gear machines

People Mover Layout



PEOPLE MOVER SPECIFICATIONS

DIMENSIONS											
Angle	D	AR	AK	AB	F	Q	Pmin	M	K	J	Pallet Width
12°	(4.7046H + 2937.8) <sup>+40</sup> <sub>0</sub>	304.8	3262	4362.8	2185.8	1300	1430	805	1037	1330	800
						1500	1630	1007	1237	1530	1000
11°	(5.1446H + 2901.8) <sup>+40</sup> <sub>0</sub>	300.8	3230	5060.3	2149.8	1300	1430	805	1037	1330	800
						1500	1630	1007	1237	1530	1000
10°	(5.6713H + 2865.8) <sup>+40</sup> <sub>0</sub>	296.8	3198	5587.8	2113.8	1300	1430	805	1037	1330	800
						1500	1630	1007	1237	1530	1000

REACTIONS kN				
Pallet Width mm	Point	2 Supports	3 Supports	4 Supports
1000	C2	N/A	N/A	3.45D + 5.2
	C1	N/A	6.1D + 4.2	3.45D + 5.0
	B	4.9D + 14.0	2.2D = 14.0	1.5D + 15.0
	A	4.9D + 6.2	2.2D + 5.0	1.5D + 6.0
800	C2	N/A	N/A	3.1D + 10.0
	C1	N/A	4.25D + 18.0	3.1D + 9.2
	B	4.25D + 18.0	1.9D + 17.0	1.3D + 17.0
	A	4.25D + 8.2	1.9D + 8.0	1.3D + 9.0

