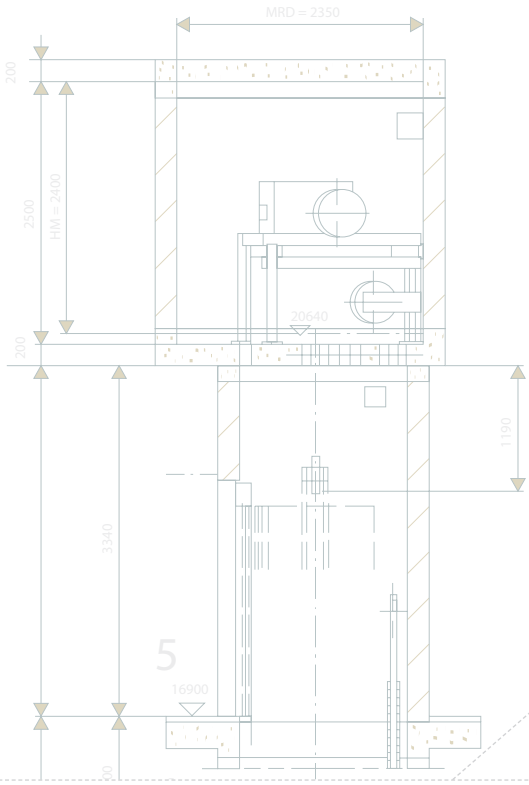
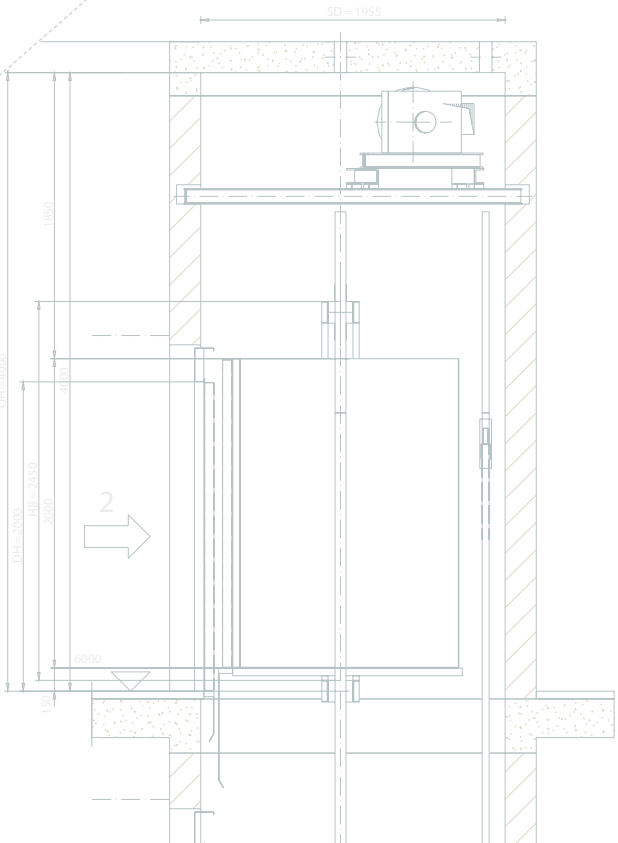


Criteria Of Tomorrow

Özellift



BY Turkish Technology & Industry

TABLE OF CONTENTS

SAFETY & TRUST, WITH QUALITY & RESPONSIBILITY

INRODUCTION

Founded over 25 years ago, Özel Lift works with a team of experts in the production, installation, maintenance of all types of elevators.

In our journey, we have collaborated with several of well-known, local and international groups, companies and factories, to be their official distributor for elevators and escalators such as Sanyo branches in Taiwan, Japan, China and Toshiba branch in Malaysia (Mashiba), as we import and assemble German, Italian, and Spanish elevators as well.

Our activities had included assembly and maintenance of various types of elevators such as passenger elevators, panoramic, hospital, freight, car elevators, service elevators for restaurants and escalators in Egypt and Sudan.

All this experience was developed across time to reach production capacity which started in 2013 and is still growing today using the Turkish, Japanese, European resources, and experience to produce Özel - EN-81 norm compliant - elevators which are produced lift with great and reliable skills for competitive prices, and with remarkable quality.

We specialize in innovative, elegant, and optimized solutions for all vertical and horizontal transportation needs with competitive price and high quality.

CRITERIA OF TOMORROW

Established ***TTI***

2014

2015

2016

The fastest installation
Company in Egypt
CIVILIZATION MUSEUM
(4stops in 3 days)

2010

KINGDOM MUSEUM - Cairo
High rise, High speed
(25 floors)

2007

sole agent for
SANYO ELEVATOR
COMPANY

2005

TIMELINE

1992

Installation & maintenance
elevator

1993

supply installation and
maintenance elevators


FIRST QUALITY CERTIFICATION

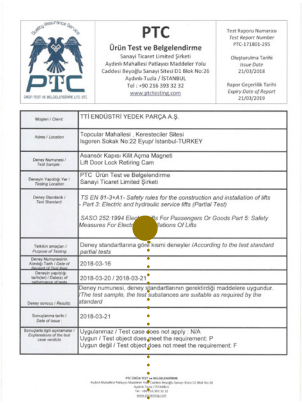
FQC
FIRST QUALITY CERTIFICATION

SERTİFİKA
CERTIFICATE

TTİ ENDÜSTRİ YEDEK PARÇA A.Ş.

ENDÜSTRİYEL YEDEK PARÇA ÜRETİMİ VE SATIŞI

ISO 450[illegible]2018


PTC
Ürün Test ve Belgelendirme

TTİ ENDÜSTRİ YEDEK PARÇA A.Ş.

2017

First complete lift with High Technology ***ÖZEL LIFT***

2018

2019

2004

Established ***AMIR TRADING***
Electric Compotation Trading company

2000

Established
SEDRA TRADING
Spare Car Parts

1999

sole agent for
MEYELL
LIFTEX
DISTRIBUTER
THYSSEN ,WITTUR

1997

sole agent for
EGGERT ELEVATOR

1998

Establish
ELEVATOR COMPONENT TRADING

SECTION I

CABINS DOORS CEILINGS FLOORS

CABINS

BSC-320

Cabin Interior Covering
Vertical dotted stainless steel

Cabin Interior Accessories
Mirror Stainless Steel

Cabin Flooring
20 mm Natural Granite

Cabin Ceiling
Interior opening, mirror St. St., laser cut with indirect lighting

Cabin Handrails
Double handrail stainless steel

BSC-321

Cabin Interior Covering
Vertical dotted stainless steel

Cabin Interior Accessories
Mirror Stainless Steel

Cabin Flooring
20 mm Natural Granite

Cabin Ceiling
Interior opening, mirror St. St., laser cut with indirect lighting

Cabin Handrails
Single handrail stainless steel

BSC-322

Cabin Interior Covering
Horizontal radius laminate on 18 mm MDF

Cabin Interior Accessories
Mirror Stainless Steel

Cabin Flooring
20 mm Natural Granite

Cabin Ceiling
Interior opening, mirror St. St., laser cut with indirect lighting

Cabin Handrails
Double handrail stainless steel

BSC-323

Cabin Interior Covering
Horizontal radius laminate on 18 mm MDF

Cabin Interior Accessories
Mirror Stainless Steel

Cabin Flooring
20 mm Natural Granite

Cabin Ceiling
Interior opening, mirror St. St., laser cut with indirect lighting

Cabin Handrails
Double handrail stainless steel

BSC-324

Cabin Interior Covering
Horizontal radius laminate on 18 mm MDF

Cabin Interior Accessories
Mirror Stainless Steel

Cabin Flooring
20 mm Natural Granite

Cabin Ceiling
Interior opening, mirror St. St., laser cut with indirect lighting

Cabin Handrails
Double handrail stainless steel

BSC-325

Cabin Interior Covering
Vertical radius laminate on 18 mm MDF

Cabin Interior Accessories
Mirror Stainless Steel

Cabin Flooring
20 mm Natural Granite

Cabin Ceiling
Interior opening, mirror St. St., laser cut with indirect lighting

Cabin Handrails
Double handrail stainless steel

BSC-326

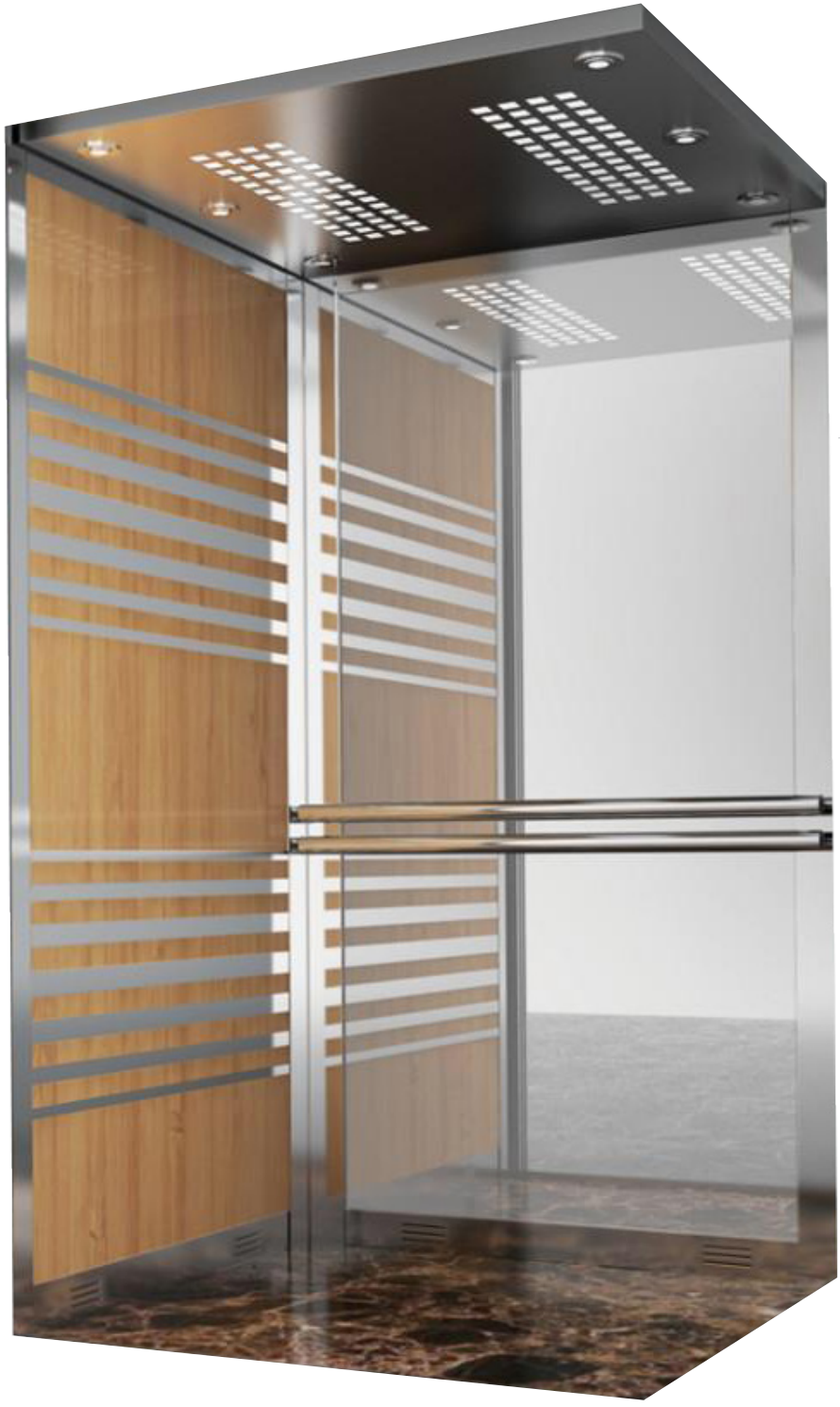
Cabin Interior Covering
Vertical radius laminate on 18 mm MDF

Cabin Interior Accessories
Mirror Stainless Steel

Cabin Flooring
20 mm Natural Granite

Cabin Ceiling
Interior opening, mirror St. St., laser cut with indirect lighting

Cabin Handrails
Single handrail stainless steel



OZL-327

Cabin Interior Covering
Horizontal radius laminate on 18 mm MDF

Cabin Interior Accessories
Mirror Stainless Steel

Cabin Flooring
20 mm Natural Granite

Cabin Ceiling
Interior opening, mirror St. St., laser cut with indirect lighting

Cabin Handrails
Single handrail stainless steel

OZL-328

Cabin Interior Covering
Horizontal radius laminate on 18 mm Glass

Cabin Interior Accessories
Mirror Stainless Steel

Cabin Flooring
20 mm Natural Granite

Cabin Ceiling
Interior opening, mirror St. St., laser cut with indirect lighting

Cabin Handrails
Double handrail stainless steel

OZL-329

Cabin Interior Covering
Horizontal hairline stainless steel

Cabin Interior Accessories
Mirror Stainless Steel

Cabin Flooring
20 mm Natural Granite

Cabin Ceiling
Interior opening, mirror St. St., laser cut with indirect lighting

Cabin Handrails
Double handrail Gold stainless steel

OZL-330

Cabin Interior Covering
Vertical hairline stainless steel

Cabin Interior Accessories
Vertical hairline Gold stainless steel

Cabin Flooring
20 mm Natural Granite

Cabin Ceiling
Interior opening, mirror St. St., laser cut with indirect lighting

Cabin Handrails
Double handrail stainless steel

OZL-331

Cabin Interior Covering
Horizontal decorative stainless steel

Cabin Interior Accessories
Super Mirror Stainless Steel

Cabin Flooring
20 mm Natural Granite

Cabin Ceiling
Interior opening, mirror St. St., laser cut with indirect lighting

Cabin Handrails
Double handrail stainless steel

OZL-332

Cabin Interior Covering
Vertical dotted stainless steel

Cabin Interior Accessories
Mirror Stainless Steel

Cabin Flooring
20 mm Natural Granite

Cabin Ceiling
Interior opening, mirror St. St., laser cut with indirect lighting

Cabin Handrails
Double handrail stainless steel

ORG-333

Cabin Interior Covering
Vertical dotted stainless steel

Cabin Interior Accessories
Mirror Stainless Steel

Cabin Flooring
20 mm Natural Granite

Cabin Ceiling
Interior opening, mirror St. St., laser cut with indirect lighting

Cabin Handrails
Single handrail stainless steel

ORG-334

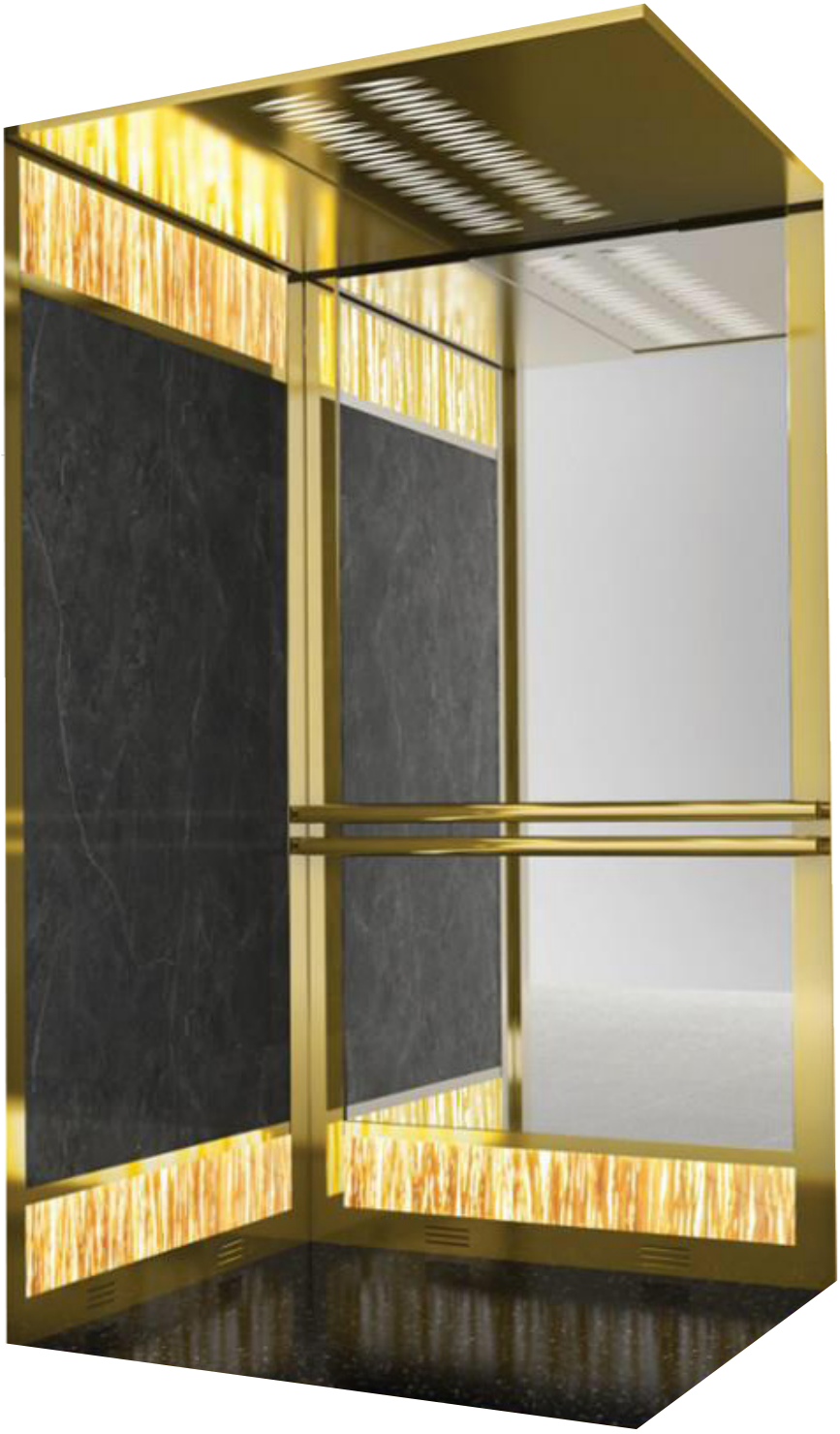
Cabin Interior Covering
Vertical dotted stainless steel

Cabin Interior Accessories
Mirror Stainless Steel

Cabin Flooring
20 mm Natural Granite

Cabin Ceiling
Interior opening, mirror St. St., laser cut with indirect lighting

Cabin Handrails
Double handrail stainless steel




CRITERIA OF TOMORROW

BSC-316

Side Walls 6mm Tempered Black Glass
Back Wall Full Mirror
Ceiling Laser Ceiling
Floor Granite
Accessories Mirror Stainless
Handrail 32mm Chrome Handrails

OZL-317

Side Walls 18mm Membrane Coating
Back Wall Half Mirror
Ceiling Laser Ceiling
Floor Granite
Accessories Mirror Stainless
Handrail 32mm Chrome Handrails

BSC-318

Side Walls 18mm Laminate
Back Wall Laminate
Ceiling Black Laser ceiling
Floor Granite
Accessories Mirror Stainless
Handrail 32mm Chrome Handrails

OZL-319

Side Walls Mirror Stainless
Back Wall Mirror Stainless
Ceiling Laser Ceiling
Floor Granite
Accessories Mirror Stainless
Handrail 32mm Chrome Handrails

PANORAMIC CABINS

JAYA

Covering Satin Stainless plate banking
Finish With decoration lamp
Accessories Middle with acrylic roof lamp
Floor PVC
Ceiling Roof lamp, Side with led light
Handrail Stainless steel

EVEREST

Covering Hairline satin stainless with horizontal stripe design
Finish Side with led light
Accessories Middle with acrylic roof lamp
Floor Natural granite
Ceiling Roof lamp, Side with led light
Handrail Stainless steel

MASSIF

Covering Satin Stainless
Accessories Mirror stainless steel
Floor Natural granite
Ceiling Laser cut
Handrail Stainless steel

DENALI

Covering Hairline satin stainless
Accessories Mirror stainless steel
led lighting
Floor Natural granite
Ceiling Laser cut
Handrail Stainless steel

DOORS

DO - 100

Automatic Door
Center Opening
Two panels
Glass Finishing
with Stainless Steel frame

DO - 101

Automatic Door
Side Opening
Two panels
Glass Finishing
with Stainless Steel frame

DO - 102

Automatic Door
Center Opening
Two panels
Glass Finishing Frameless

DO - 103

Automatic Door
Side Opening
Two panels
Glass Finishing Frameless

DO - 104

Automatic Door
Center Opening
Two panels
Stainless Steel Finishing

DO - 105

Automatic Door
Side Opening
Two panels
Painted Finishing

DO - 108

Automatic Door
Center Opening
Four panels
Glass Finishing
with Stainless Steel frame

DO - 109

Automatic Door
Center Opening
Six panels
Stainless Steel Finishing

DO - 110

Semi-Automatic Door
Painted Finishing
Long Handel
Long Central window

FOLDING DOOR

Kramer folding door Stainless Steel Finishing

D TYPE AUTOMATIC DOOR FOLDING: has compatibility for variation of open / close signals (24VDC-220VAC)

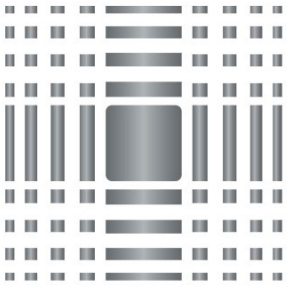
W TYPE AUTOMATIC DOOR FOLDING: has power that can be limited separately on opening and closing dimensions.

TECHNICAL SPECIFICATIONS

- DC-PWM with limit switch
- 220 V AC supply voltage
- 24 V DC Brushed motor
- 1 channel 20 ppr encoder


CP-02
OAKS

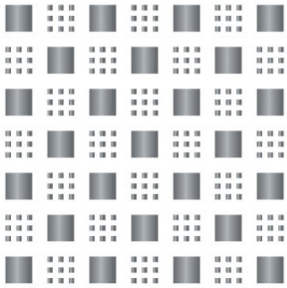
CEILINGS



CL 01

CL 02

CL 03



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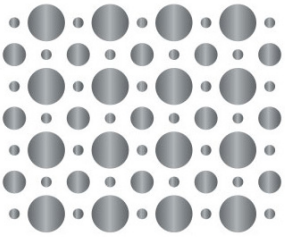

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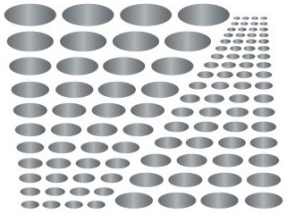

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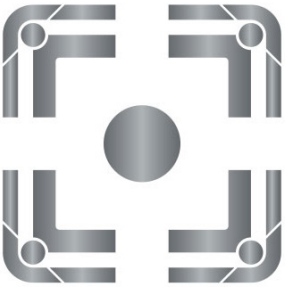
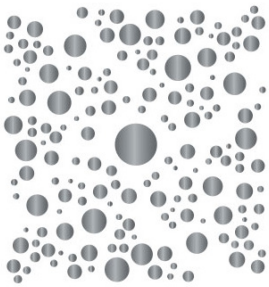


CL 08

CL 09



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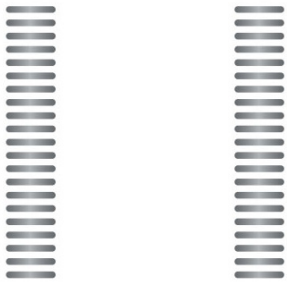
CL 11



CL 12

CL 13

CL 14

CL 15

CL 16

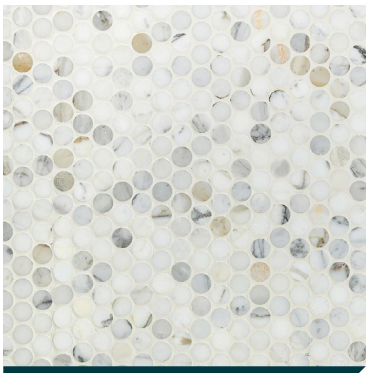
CL 17

CL 18

FLOORING

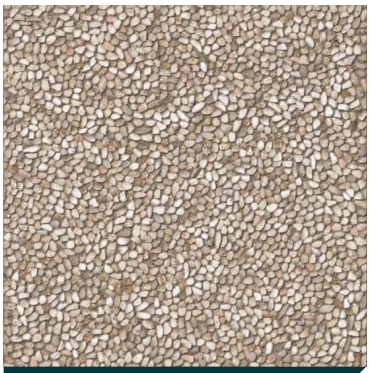
FL 01

FL 02



FL 03

FL 04



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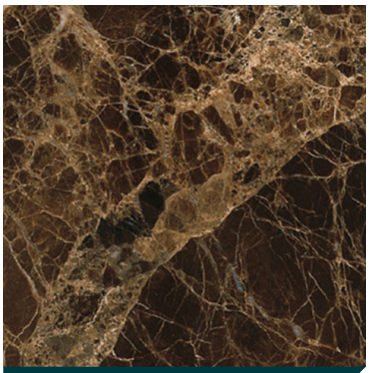

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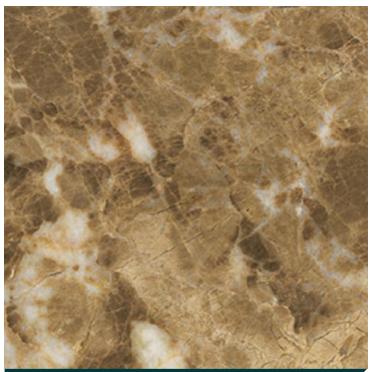
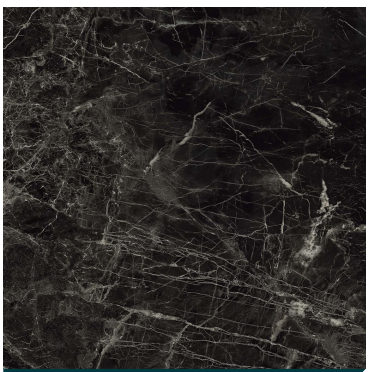


FL 07

FL 08

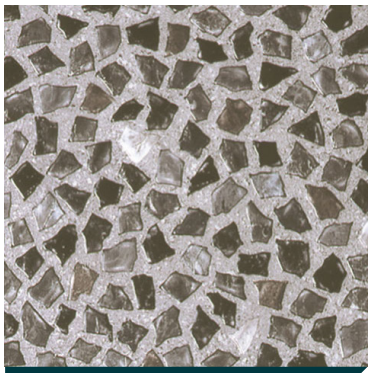


FL 09

FL 10

FL 11

FL 12



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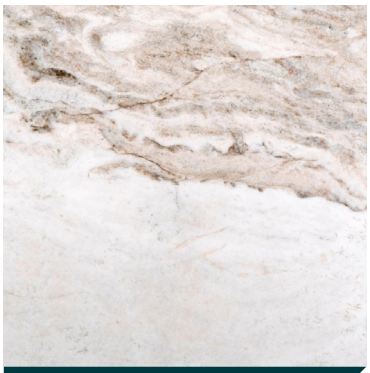

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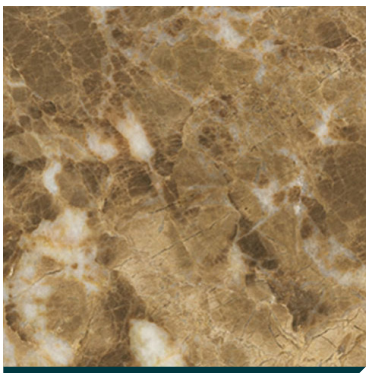
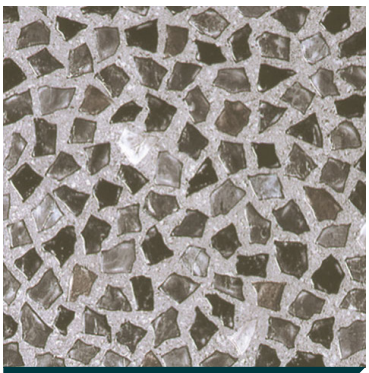


FL 15

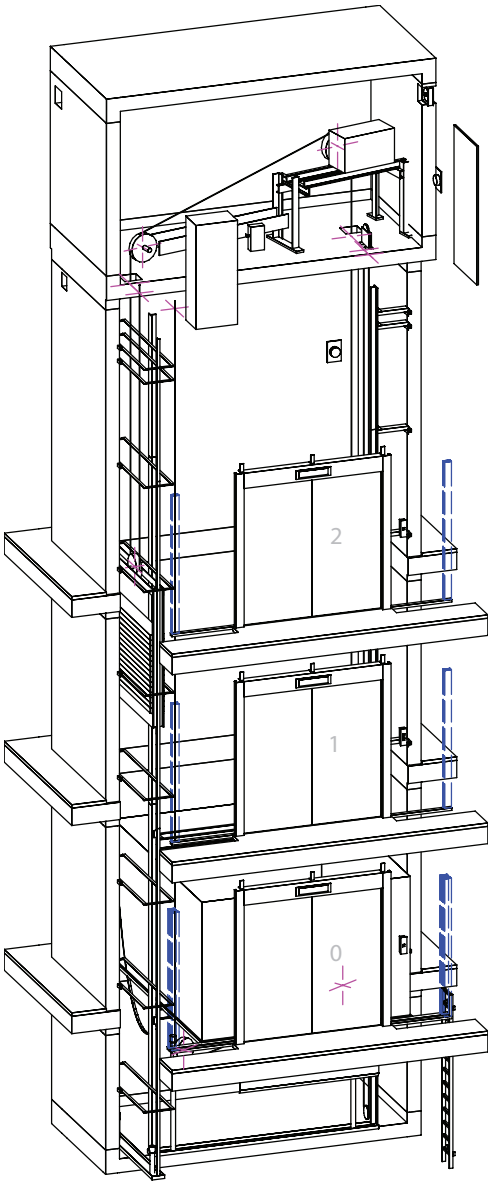
FL 16

FL 17



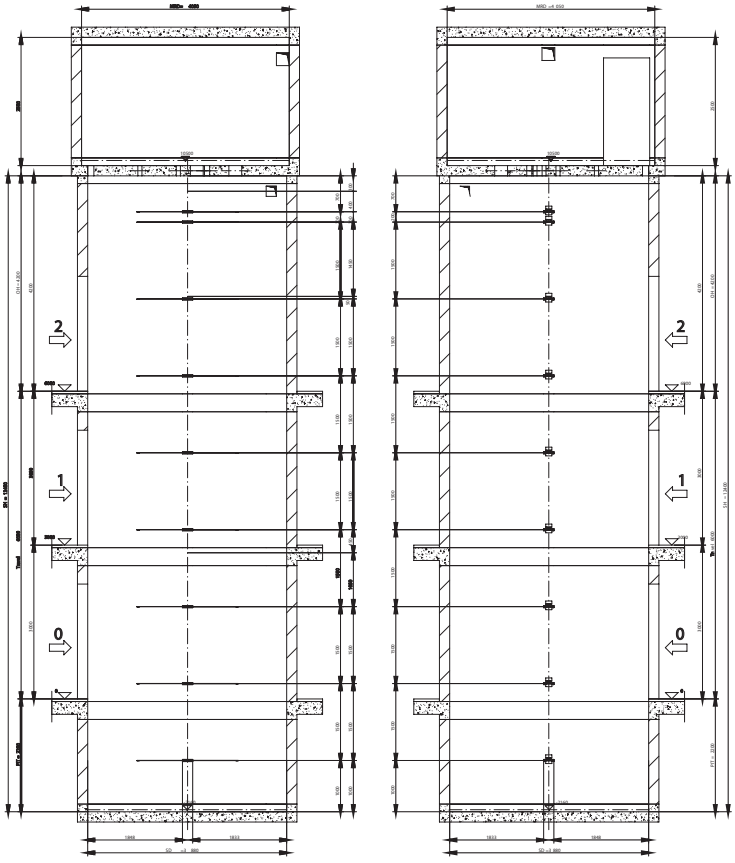
FL 18

PASSANGER ELEVATOR



HEAD & PIT DEPTH

LOAD (KG)	450-1150 (KG)		1350-1600 (KG)		M/C ROOM HEIGHT
Speed (m/sec)	OVERHEAD (OH)	PIT (PP)	OVERHEAD (OH)	PIT (PP)	(MH)
1.0	4350	1250	4350	1350	2200
1.5	4500	1300	4500	1400	2400
1.75	4550	1350	4550	1450	2400
2.0	4700	1900	4700	2000	2600
2.5	5100	2200	5100	2200	2600



NOTE ▶

Hoistway dimensions are based on 15-storied buildings. For application to over 16-storied buildings, they shall be at least 5% larger considering the sloping of the hoistways.

[EN 81]

SPEED	CAPACITY		OPENING	OPENING (MM)	CAR (MM)	HOISTWAY (MM)	MACHINE ROOM (MM)
(M/SEC)	PERSONS	KG	TYPE	OP	X x Y	X1 X Y	MX 1 X Y
	6	450		700	1100 X 1100	1600 X 1700	1900 X 3400
	7	550		800	1300 X 1100	1800 X 1700	2100 X 3400
	8	630		800	1400 X 1100	1800 X 1700	2100 X 3400
	9	700		800	1400 X 1250	1800 X 1850	2100 X 3550
1.0	10	800		800	1400 X 1300	1800 X 1950	2100 X 3650
	12	900		900	1600 X 1300	2050 X 1950	2350 X 3650
1.5	13	1000		900	1600 X 1400	2050 X 2050	2350 X 3750
	15	1150		1000	1800 X 1400	2350 X 2100	2650 X 3800
1.75				1100	2000 X 1300	2550 X 2000	2850 X 3700
	18	1350		1000	1800 X 1600	2350 X 2300	2650 X 4000
			2P-CO	1100	2000 X 1500	2550 X 2200	2850 X 3900
	21	1600		1100	2000 X 1700	2550 X 2400	2850 X 4100
					2150 X 1600	2700 X 2300	3200 X 4000
	12	1350		900	1600 X 1300	2150 X 2050	2650 X 4050
	13	1600		900	1600 X 1400	2150 X 2150	2650 X 4050
2.0	15	1150		1000	1800 X 1400	2350 X 2150	2850 X 4150
				1100	2000 X 1300	2550 X 2050	3050 X 4050
2.5	18	1350		1000	1800 X 1600	2400 X 2350	2900 X 4350
				1100	2000 X 1500	2600 X 2250	3100 X 4250
	21	1600		1100	2000 X 1700	2600 X 2450	3100 X 4450
					2150 X 1600	2750 X 2350	3250 X 4350

[EN 81]

SPEED	CAPACITY		OPENING	OPENING (MM)	C.WT	CAR (MM)	HOISTWAY (MM)	MACHINE ROOM (MM)
(M/SEC)	PERSONS	KG	TYPE	OP	DROP	X x Y	X1 X Y	MX1 X MY
	6	450		800	REAR	1100 X 1100	1550 X 1800	1850 X 3500
	7	550		800	REAR	1100 X 1300	1550 X 2000	1850 X 3700
	8	630		800	SIDE	1100 X 1400	1850 X 1850	2150 X 3550
1.0	9	700		800	SIDE	1200 X 1400	1950 X 1850	2250 X 3550
	10	800		800	SIDE	1300 X 1400	2100 X 2000	2400 X 3700
1.5	12	900		900	SIDE	1300 X 1600	2100 X 2100	2400 X 3800
	13	1000		900	SIDE	1100 X 2100	1900 X 2550	2200 X 4250
1.75				1100	REAR	2100 X 1100	2550 X 1850	2850 X 3550
	15	1150	2P-SO	1000	SIDE	1200 X 2200	2100 X 2650	2400 X 4350
	18	1350		1100	SIDE	1300 X 2300	2250 X 2750	2550 X 4450
	21	1600		1200	SIDE	1400 X 2400	2350 X 2850	2650 X 4550
	12	900		900	SIDE	1300 X 2300	2250 X 2100	2750 X 4100
2.0	13	1000		900	SIDE	1100 X 2100	2000 X 2550	2500 X 4550
				1100	REAR	2100 X 1100	2550 X 1900	3050 X 3900
2.5	15	1150		1000	SIDE	1200 X 2200	2100 X 2650	2600 X 4650
	18	1350		1100	SIDE	1300 X 2300	2300 X 2750	2800 X 4750
	21	1600		1200	SIDE	1400 X 2400	2400 X 2850	2900 X 4850

SECURITY & SAFETY FEATURES

FEATURE	DESCRIPTION	
Simplex Selective Collective Operation	Operation is carried out completely automatically when a call is registered.	●
Automatic Car Light & Fan Turn-off	A switch integrated into the door operator prevents the car from moving when the doors are open. It locks doors completely while the car is operating to impede the opening of doors from the outside.	●
Drive overheats protections	Self-protection mode will be achieved if the tempreture of the motor exceeds the present value due to the heat made by motor itself or the high temp. in the environment. The car stops at the nearest floor unload and shutdown the light and ventilation device once the temp fails down to normal the car will recover	●
Interphone (Intercom)	An interphone system provides emergency communication between passengers in the car and personnel in the machine room, maintenance room, or security office.	●
Elevator car overload warning system	Elevator car overload warning system includes a weight sensor for sensing the weight of a load in the elevator car. The control unit connected to the sensor for detecting signals emitted from the sensor and thereby computing the weight of the load in the car and an annunciator connected to the control unit and positioned within the car for annunciation to passengers within the car that the load limit of car has been exceeded.	●
Safety Drive Operation	If a car stops between floors during normal operation and the safety device does not work, the car will automatically move to the nearest floor at a low speed, open its doors, and allow passengers to get off.	●
Voice Synthesizer	A voice synthesizer directs passengers with audible operational information, such as car direction, floor landed, and emergency alerts.	●
Self-generated Power Operation	Power is supplied from the building's power generator and elevators operate under emergency power mode during power outages.	●
ELD (Emergency Landing Device)	Elevators are sent to the nearest floor using power from a rechargeable battery when power outages occur and there is no emergency power to prevent trapping passengers.	●
Individual Protection	Each component in the elevator has sensor in the LCD control to determine all errors so that it can be fixed / maintained easily and to protect the elevator on a day-to-day basis.	●
Early Fault Detection Of Elevator Using Remote Condition	Remote Condition Monitoring (RCM) of machines seeks to enhance proactive maintenance through just-in-time responses to machine faults and process deterioration. This approach offers the benefit of reduced manning of machines and robust joint maintenance decisions, due to remote access to the machines' condition.	●
Full load	When a car is loaded to a predetermined percentage of its capacity, it's considered full. Attentional passengers would be unable to enter.	●
Parking Operation	Elevators can be automatically parked at a predetermined floor with doors closed and lights and ventilation turned off.	●
Multi-beam Device for Car Doors	Multi-beams from the top to the bottom of the door detect obstructions and force the door to remain open or to reopen before it hits the obstruction.	◆
Emergency Fire Operation	Cars return to a predetermined floor in the event of fire to help evacuate passengers safely.	◆
Emergency Fireman's Service	Firemen can use elevators parked at a specific floor to support fire-fighting operations in the event of a fire.	◆
Emergency Earthquake Operation	An earthquake sensor detects tremors and forces the elevator to stop at the nearest floor with its door fully open, preventing further operation.	◆
Disability Discrimination Act (DDA)	Wheelchair Accessibility Braille Audible Announcements Handrails	◆
CCTV Systems	CCTV (close circuit television) systems in elevators are design to enhance the security system of an office building or condominium. It is part of security monitoring system of an organization to ensure the safety of the users of these elevators.	◆
Attendant Operation	The elevator's operating mode can be switched from its regular automatic mode to manual mode using the attendant's switch on the COP.	◆

● **STANDARD** ◆ **OPTION**

SECTION II

COP CONTROLS MACHINES

COP

LB-106

LS-107

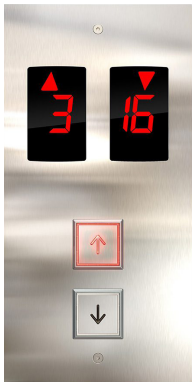
LS-108

CS - 102

CS - 101

LS-109

LS-110



LS-111

DB-112

DB-113

HS-105

CS - 104

CS - 103

CONTROLS

CONTROL PANEL SPECIFICATIONS

- Compatible to EN81-1+A3 standards
- Operates with synchronous and induction motors.
- Compatible with group operation
- Emergency rescue with UPS (easy and direction)
- Re-leveling system
- Compatible with all kinds of auto doors and manual doors
- 2 Door controls for cabins with double entrances at any direction
- 7 Segment & grey cod & binary cod display options
- Panel illumination and cooling fan
- Easy installation with serial and parallel communication with cabin and landing doors.
- Combines VVVF drive unit, control board, rescue function and other electrical components in a single Monoblock unit.
- Contractor less design with STO function
- Small, light weight and ready to install.
- Compatible with EN81-20 standards
- Decreased costs due to less traveling cable requirements.
- Direct landing
- Ability to work with synchronous and asynchronous machines.
- Ability to work open and close loop.
- Reliable and industrialized.
- Energy saving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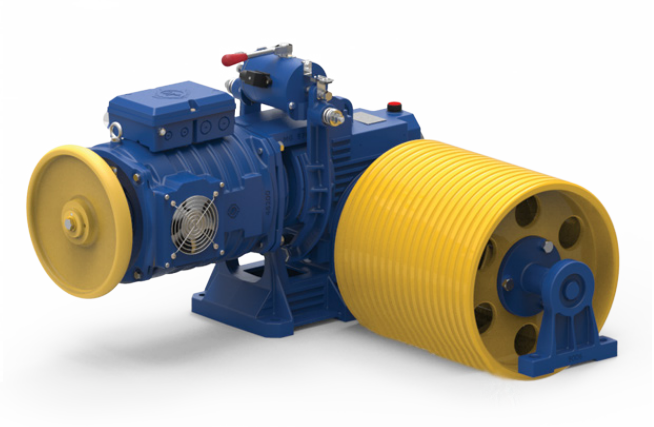
ELECTRIC MACHINES

EKER MRL



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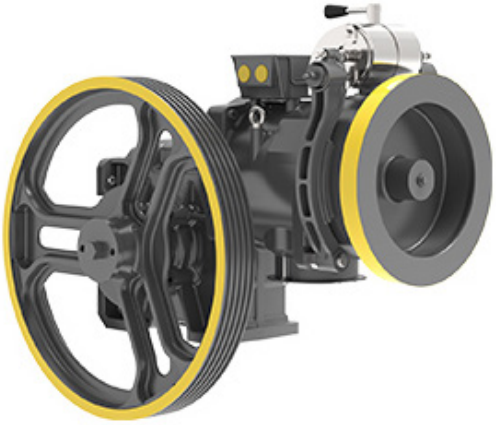
LIFT EQUIP

MGT

AKIŞ



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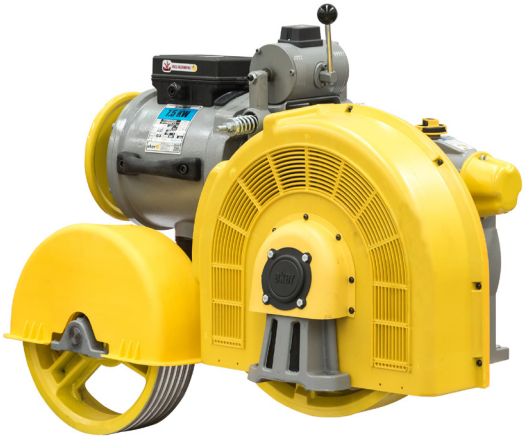


EKER

AKIŞ MRL

HYDRAULIC SYSTEMS

OZ-H 32

OZ-H 33

DIRECT

SIDE

SECTION III

HOSPITAL ELEVATORS HOME ELEVATOR DUMBWAITER

HOSPITAL ELEVATOR

FEATURE	DESCRIPTION	SPECS
Reserved operation for emergency	Applicable only for hospital bed elevators. The car transports a hospital bed, medical equipment, etc. exclusively to the destination or without responding to other calls.	●
Extended door-open button	When the button inside a car is pressed, the doors will remain open longer to allow loading and unloading of baggage, a stretcher, etc.	●
Door load detector	When excessive door load has been detected while opening or closing, the doors immediately reverse.	●
Safe landing	If a car has stopped between floors due to some equipment malfunction, the controller checks the cause, and if it is considered safe to move the car, the car will move to the nearest floor at a low speed and the doors will open.	●
Overload holding stop	A buzzer sounds to alert the passengers that the car is overloaded. The doors remain open and the car will not leave that floor until enough. passengers exit the car.	●
Car call cancelling	When a car has responded to the final car call in one direction, the system regards remaining calls in the other direction as mistakes and clears them from the memory.	●
Emergency car lighting	When traffic is light, empty, or lightly loaded cars are given higher priority to respond to hall calls to minimize passenger travel time. (Cannot be combined with hall position indicators.)	●
Safety ray	One or two infrared-light beams cover the full width of the doors as they open or close to detect passengers or objects. (Cannot be combined with multi-beam door sensor.)	●
Emergency landing device	In an emergency, the elevator is operated using the power in the battery, to prevent passengers from being trapped inside the elevator upon power failure. ELD will not function if equipment's safety device or safety circuit, required by applicable codes or regulations, has been activated.	●
Forced floor stop	All cars in a bank automatically make a stop at a predetermined floor on every trip without being called.	◆
Return operation	Using a key switch on the supervisory panel, a car can be withdrawn from group control operation and called to a specified floor. The car will park on that floor with the doors open, and not accept any calls until independent operations begin.	◆
Firefighter's emergency operation	Elevator operated by a firefighter for firefighting purposes. Location and function of Fireman's Emergency Operation Switch may vary depending on applicable codes and regulations. Common operation flow is shown below. Operation may vary depending on applicable codes and regulations.	◆
Fire emergency return	In the event of a fire, car is automatically moved to Evacuation Floor (*1). Fire Emergency Return is provided either around the Hall Call Buttons or on the Supervisory Panel.	◆
Earthquake emergency return	Elevator cars are moved to nearest floors when an earthquake is detected by seismic sensors. Two types of operations: Primary Wave Earthquake Emergency Return Operation (EER-P), initiated if primary seismic waves are detected, and Secondary Wave Earthquake Emergency Return Operation (EER-S), initiated if secondary seismic waves are detected.	◆
Operation by emergency power source—automatic/ manual	Elevators operate using the emergency power source during power failure to prevent passengers from being trapped inside cars. Elevator resumes normal operation when power is restored.	◆
Main floor parking	An available car always parks on the main (lobby) oor with the doors open to reduce passenger waiting time.	◆
Automatic bypass	A fully loaded car bypasses hall calls to maintain maximum operational efficiency.	◆
Interphone	Elevator phone installed in the elevator and connected to the duty room. In case of emergency, you can use the phone to quickly seek help from the outside world. We can provide voip phone, rusty steel shell, embedded installation, easy installation.	◆
Car light shut off—automatic	If there are no calls for a specified period, the car lighting will automatically turn o to conserve energy.	◆
Car fan shut off—automatic	If there are no calls for a specified period, the car ventilation fan will automatically turn o to conserve energy.	◆
Group control with Hospital Emergency operation	An operation by car controllers which automatically maintains elevator operation if a microprocessor or transmission line in the group controller has failed.	◆
Car arrival chime	Electronic chimes sound to indicate that a car will soon arrive. (The chimes are mounted either on the top and bottom of the car, or in each hall.)	◆
Secret call service	To enhance security, car calls for desired oors can be registered only by entering secret codes using the car buttons on the car operating panel. This function is automatically deactivated during emergency operation.	◆

● **STANDARD** ◆ **OPTION**

Hospital Bed Elevator Ozel Hospital Bed Elevators, a right choice for your hospital needs are designed to greatly contribute to provide the most secure and reliable ambience that your hospital requires.

Integrated into the system with such an advanced technology as VVVF (Variable Voltage Variable Frequency) inverter drive which serves the purpose of great cost reduction by innovative energy saving, as well as excellent riding comfort of elevators.

Basically, Ozel Hospital Bed Elevators are planned, designed and manufactured, bearing passengers' security and convenience first in mind. The elegant designs and various features that these elevators show off are the key to enhancing the dignity of hospital facilities in addition to providing the amenities that hospital pursues.

Main advantages:

- Superior riding.
- Enhanced function of signal fixture.
- Remote monitoring system (optional: Self-checking system built in compute).
- 50% energy saving (Compared to conventional AC control system).
- 50% reduction in building power requirement (Compared to conventional A control system).
- Excellent security of door for wheelchair and hospital bed (A gap in between).

OVERHEAD & PIT DEPTH (MM)

SPEED (M/SEC)	OVERHEAD (OH)	PIT (PP)	M/C ROOM HEIGHT (MH)
0.5 / 0.75	4400	1500	2400

STANDARD DIMENSIONS & REACTIONS (MM)

NOTES ▼
The car external size can be varied in line with entrance type.

TYPE	MODEL	SPEED (M/SEC)	CLEAR OPENING OP	CAR INTERNAL CA X CB	CAR EXTERNAL A X B	HOISTWAY X x Y	M/C ROOM MX x MY	HITCH BEAM REACTION (KG) R1	HITCH BEAM REACTION (KG) R2
STANDARD TYPE	A2000-2U	0.5 0.75	23500	2350 X 5300	2450 X 5508	3300 X 6000	3300 X 6000	17500	12000
	A2500-2U		2500	2500 X 6300	2600 X 6508	3450 X 7000	3450 X 7000	22500	12500
	A2000-2U		2350	2350 X 5300	2450 X 5568	3300 X 6050	3300 X 6050	17500	12000
	A2500-2U		2500	2500 X 6300	2600 X 6568	3450 X 7050	3450 X 7050	22500	12500
DOUBLE ENTRANCE TYPE	A2000-2U		2350	2350 X 5300	2450 X 5616	3300 X 6100	3300 X 6100	17500	12000
	A2500-2U		2500	2500 X 6300	2600 X 6616	3450 X 7100	3450 X 7100	22500	12500
	A2000-3U		2350	2350 X 5300	2450 X 5736	3450 X 6350	3300 X 6350	17500	12000
	A2500-3U		2500	2500 X 6300	2600 X 6736	3450 X 7350	3450 X 7350	22500	12500

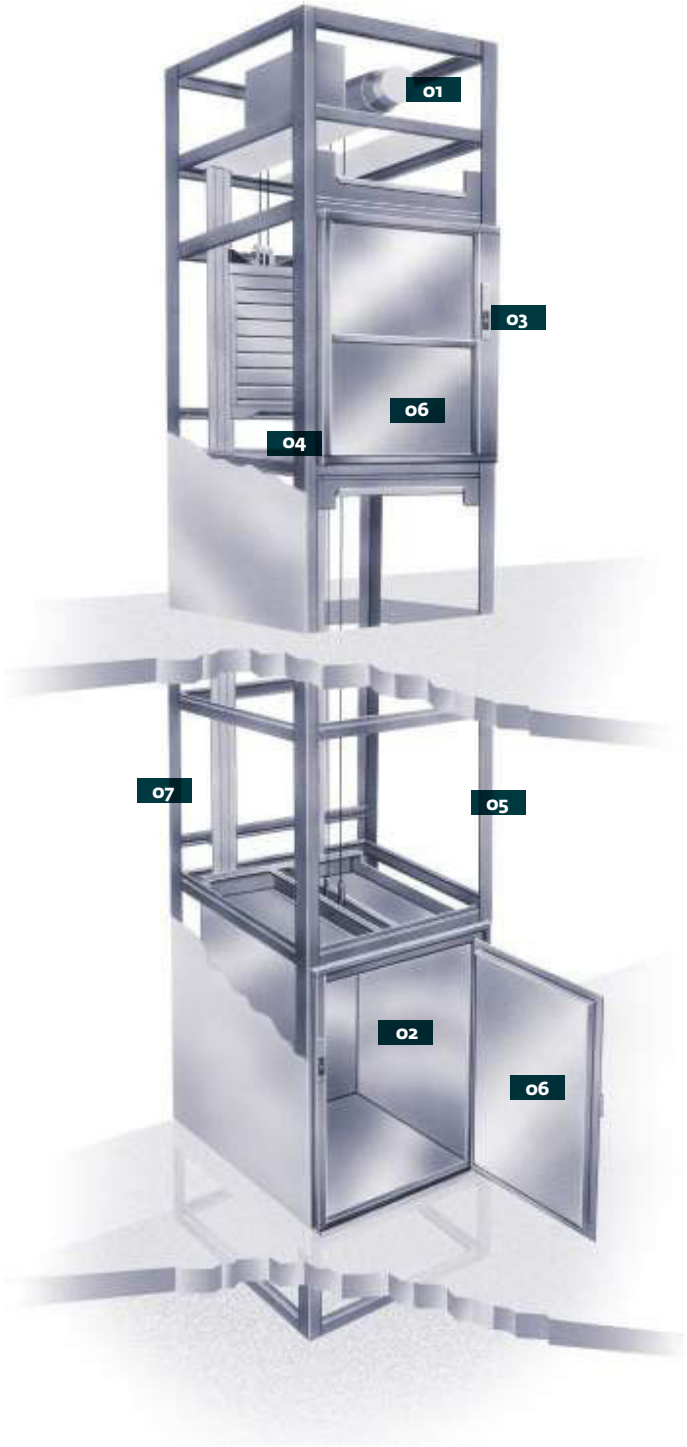
HOME ELEVATOR

FEATURE	DESCRIPTION	SPEC
Easily Accessible	All home lifts have level (16mm) access making it easy to enter and exit for wheelchair users or walking passengers without the need for a pit or ramp. A power operated door is available as an option.	●
Space-Saving Design	All home lifts have a compact footprint and no obtrusive side posts thanks to a unique design featuring only rear space-saving posts.	●
Eco-Friendly	Our traction drive home lifts have low running costs – less than 1 pence per day. Powered electronically, the system is clean and environmentally friendly, requiring 56% less power to run than a hydraulic system.	●
Powerful Lifting Capability	Our home lifts carry up to 255kg making them ideal for transporting a wheelchair user and their career at the same time, or for transferring heavy or cumbersome items such as suitcases.	●
Smooth And Quiet Operation	Soft start/stop facility as standard and the traction drive system is quieter by up to 19%.	●
Easy To Operate	In-car light, mirror and illuminated controls as standard. Remote control call stations, in-car telephone and diagnostic displays are available in all home lifts.	●
Cab Options	Choose from open and enclosed cab styles according to the users' needs or preference.	●
Seat Options	Choose from Fixed, Perch, Tip up, and Heavy-Duty styles according to the users' needs.	●
Safety Features	Sensors fitted to the top, bottom and sides of the lift car detect any obstructions and bring the lift to a safe stop automatically. A battery back-up system means that in the event of a power cut, the lift will finish its journey allowing passengers to exit the lift safely.	●

● **STANDARD** ◆ **OPTION**


ELEVATOR FOR
EVERY HOME

DUMBWAITER



DUMBWAITER SPECIFICATIONS

Quick, simple installation

The lift operates inside a rapidly erected, structure supported frame which is easy to install and requires minimal builder's work. No separate motor room or load-bearing shaft is needed, which helps to keep costs down.

Available from stock*

All standard models are normally available from stock, which means that a lift can be installed and working within a few days, depending on the building work. Please contact us for further information.

Choice of finishes

The finish of the lift car and rise and fall shutters can be tough grey baked enamel or stainless steel.

* Combi and bespoke models available on request

OPTIONS SPECIFICATIONS

Low Head Room

Provides significant reduction in the headroom required at the top floor via the option of either side- or bottom-mounted drive.

Double Shaft

model offers two cars in one lift.

- **01** Quiet and efficient motor
- **02** Easy-clean finish
- **03** Robust pushbuttons, fully automatic control
- **04** Interlocked entrances for extra safety
- **05** Galvanized framework for long life
- **06** 'Rise and fall' shutters, or hinged doors for ease of access.
- **07** Structure supported frame

TECHNICAL DATA – STANDARD RANGE

MODEL CAPACITY	CAR DIMENSIONS (W X D X H)	ENTRANCE (W X H)	SERVING HEIGHT (VARIABLE)	SHAFT (W X H)	PIT DEPTH	HEADROOM
50kg	510 × 320 × 800	320 × 770	800	725 × 520	-	2600
50kg	545 × 420 × 800	420 × 770	800	820 × 640	-	2600
50kg	520 x 520 x 800	420 × 770	800	800 × 800	-	2600
50kg	620 × 620 × 800	520 × 770	800	900 × 900	-	2600
50kg	620 × 620 × 800	520 × 770	800	900 × 900	-	2200
100kg (100A**) rise & fall shutters	720 × 720 × 1000	620 × 970	800	1000 × 1000	-	2800

TECHNICAL DATA –DOUBLE DECKER

CAPACITY	CAR DIMENSIONS (W X D X H)	ENTRANCE (W X H)	SERVING HEIGHT (VARIABLE)	SHAFT (W X H)	PIT DEPTH	HEADROOM
100kg	520 x 520 x 800 (per car)	420 x 770	(a) 1010 (b) Floor	800 × 800	350	3000
100kg	620 x 620 x 800 (per car)	520 x 770	(a) 1010 (b) Floor	900 × 900	350	3000
100kg	720 x 720 x 800 (per car)	620 × 770	(a) 1010 (b) Floor	1000 × 1000	350	3000
100kg	820 x 820 x 800 (per car)	720 × 770	(a) 1010 (b) Floor	1100 × 1100	350	3000

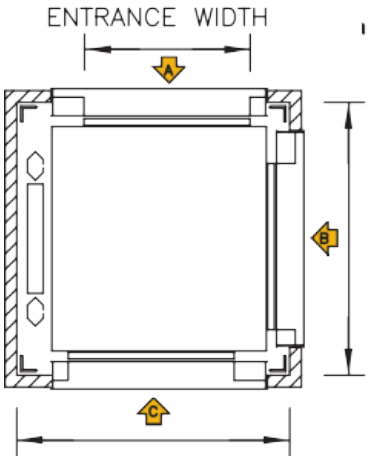
TECHNICAL DATA – BOTTOM DRIVE

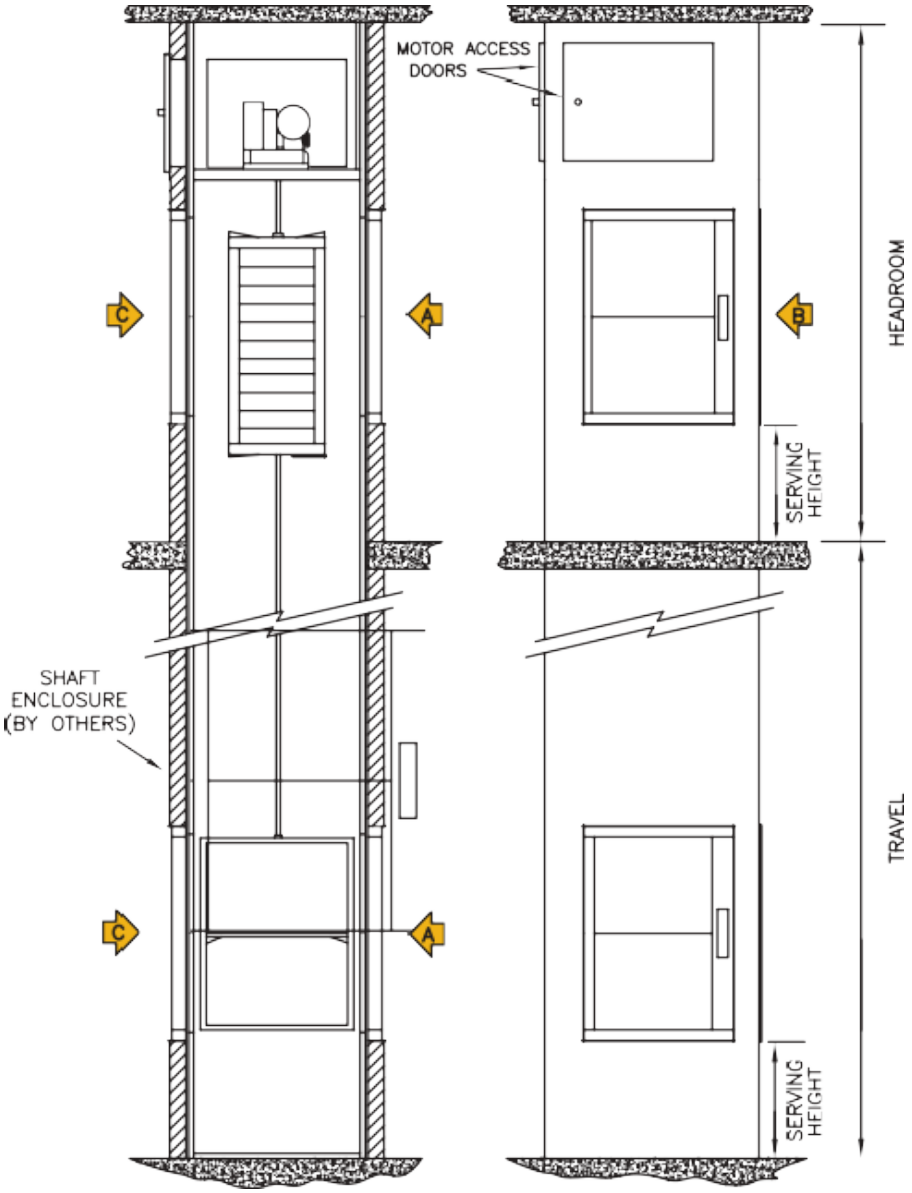
CAPACITY	CAR DIMENSIONS (W X D X H)	ENTRANCE (W X H)	SERVING HEIGHT (VARIABLE)	SHAFT (W X H)	PIT DEPTH	HEADROOM
50kg	510 × 320 × 800	320 × 770	800	725 × 520	-	2250
50kg	545 × 420 × 800	420 × 770	800	820 × 640	-	2250
50kg	520 × 520 × 800	420 × 770	800	830 × 800	-	2250
50kg	620 × 620 × 800	520 × 770	800	930 × 900	-	2250
100kg	720 × 720 × 800	620 × 770	800	1030 × 1000	-	2250
100kg	820 × 820× 800	720 × 770	800	1130 × 1100	-	2250

QUICK REFERENCE GUIDE

FEATURE	DESCRIPTION	SPEC
Load	50kg and 100kg (can be uprated to 150kg).	●
Car	Constructed in mild steel, finished in grey baked enamel with a stainless steel base and a removable stainless steel shelf. The car can also be finished in stainless steel.	●
Landing Entrances	High quality rise and fall shutters or hinged doors are fitted with safety locks and can be finished in either grey baked enamel or stainless steel.	●
CarEntrance Protection	Whilst it is not essential to fit doors onto the car itself, it ishighly recommended to do so. If doors are not fitted, other means of restraining the goods should be assessed and provided. Stainless steel rise and fall doors are available for all models, whilst collapsible gates are available on all models serving at floor level as an option.	●
Mounting	The lift is supplied in a structure-supported frame which is galvanised for longer life. We do not require a separate motor room or 'load-bearing' lift shaft. For more information, please ask for our builder's work detail.	●
Floors served	Can serve up to 12 floors.	●
Speed	0.35m/s (70ft/min).	●
Controls	Fully automatic push button control, with call and despatch facilities at each entrance. For that extra reassurance, 'lift arrival', 'lift occupied' and 'lift position indicators' together with an 'arrival buzzer' are fitted as standard.	●
Operation	The operation is smooth and quiet with a highly efficient motor winding unit with a reliable controller. Combined with a counter-balance drive system, this ensures electrical consumption is minimal.	●
Winding Unit	Normally mounted at the top of the lift structure within the headroom dimensions shown overleaf. The motor drives a high quality reduction gearbox fitted with a traction vee-sheave. An electro-magnetic disc brake is supplied, with emergency release mechanism.	●

● **STANDARD** ◆ **OPTION**


ENTRANCE WIDTH
A
B
C


MOTOR ACCESS DOORS
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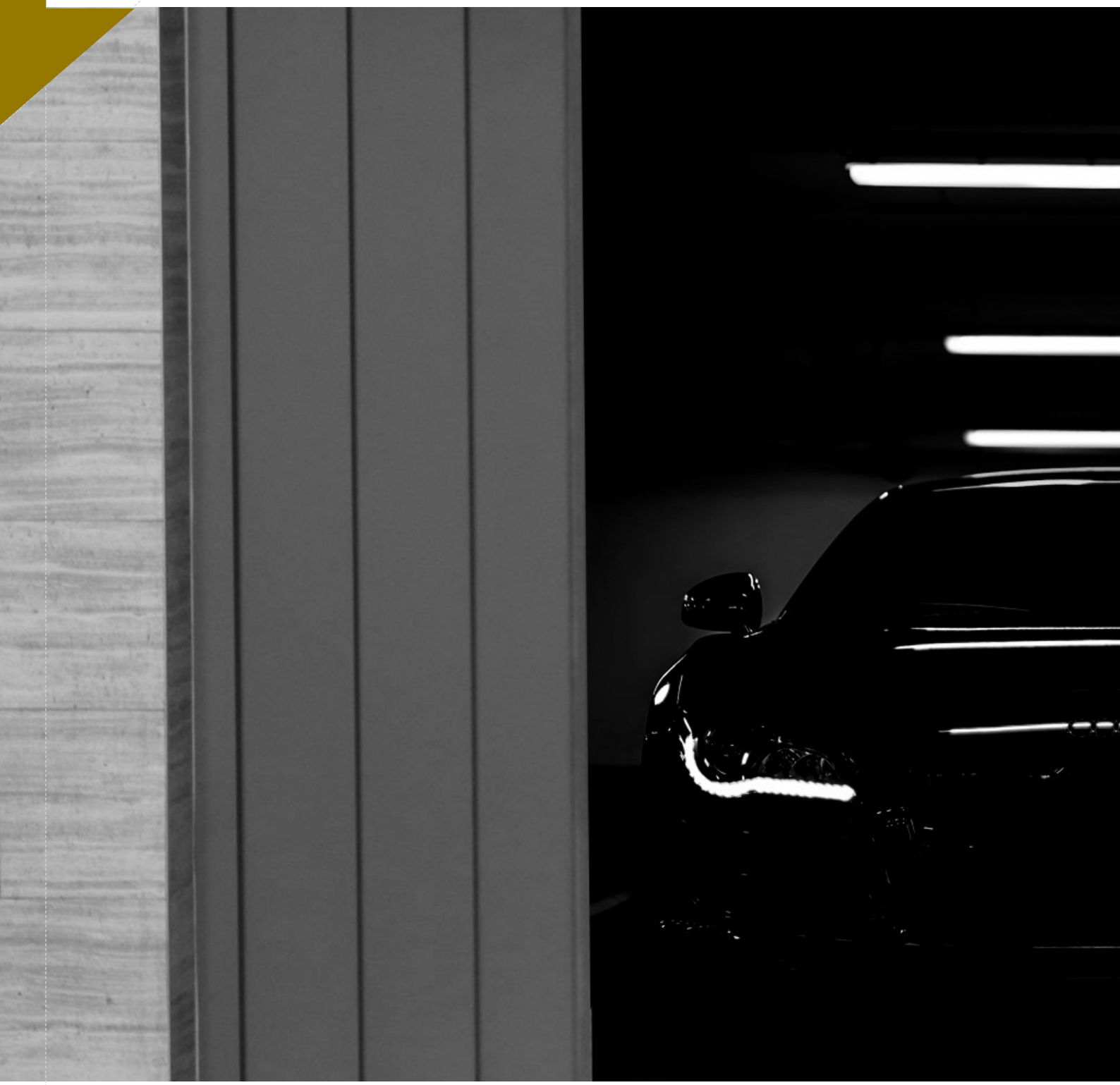
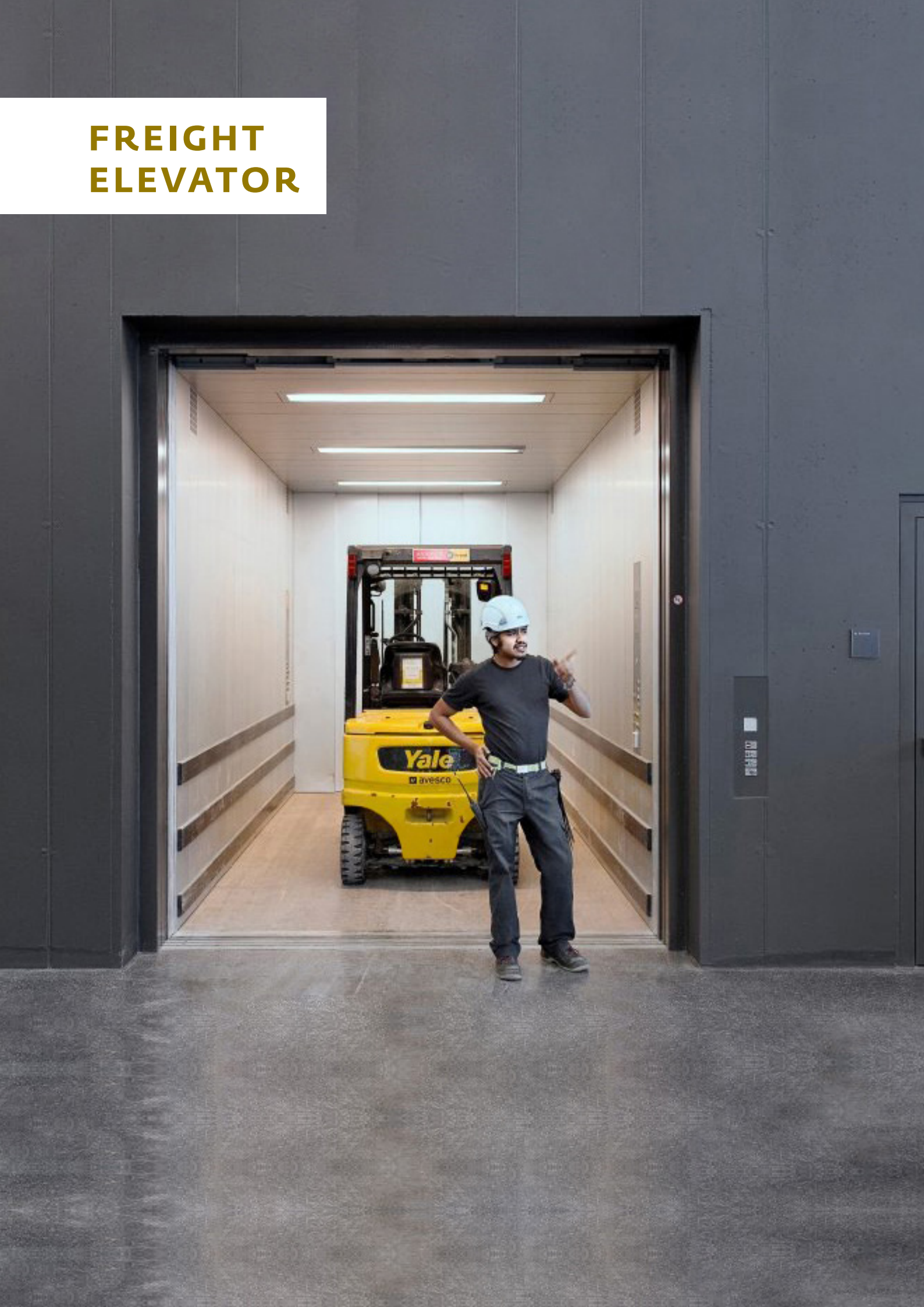
HEADROOM
SERVING HEIGHT
SHAFT ENCLOSURE (BY OTHERS)
C
A
TRAVEL
SERVING HEIGHT

SECTION IV



FREIGHT ELEVATOR AUTOMOBIL ELEVATORS

FREIGHT ELEVATOR

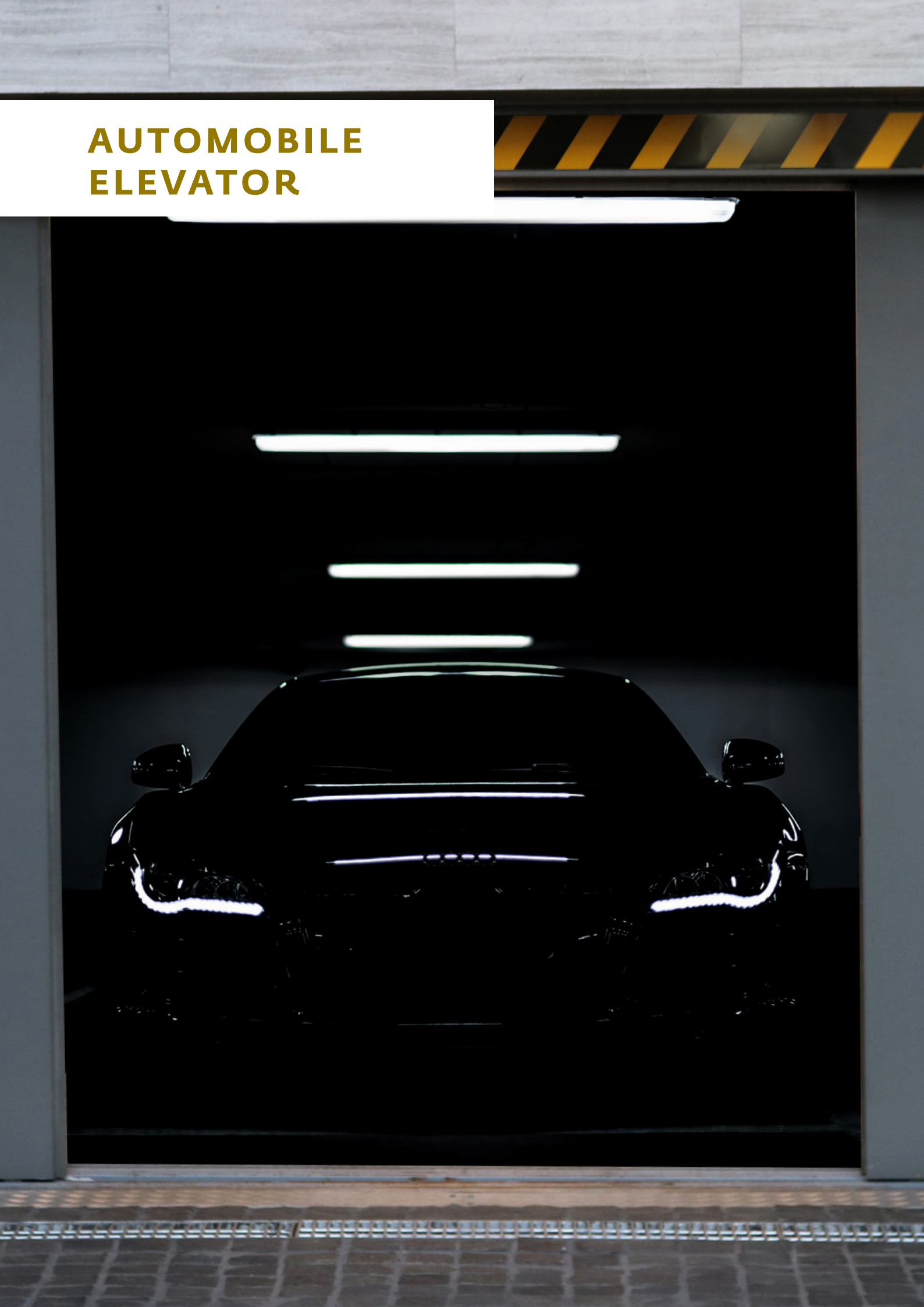


FEATURE	DESCRIPTION
GENERAL TYPE	• Accurate landing, smooth acceleration and deceleration, comfortable riding, low-noise operation. • 40% energy saving (compared to conventional AC control system). • 40% reduction in building power requirements (compared to conventional AC control system). • High reliability with enhanced operation in all respects (All functions are controlled by computer and frequency of machine breakdown rates minimized). • Self-checking system built-in inside computer.
HYDRAULIC TYPE	• Smaller installation space than traction (rope) elevators requires. • Greater advantages for construction design (Because machine rooms can be made anywhere in the building except in the shaft). • Accurate landing and comfortable riding. • High reliability (If power fails, the car moves down to the bottom floor automatically). • Enhanced safety (Safety device cuts off the flow of oil when the descending speed of car exceeds the pre-determined speed).

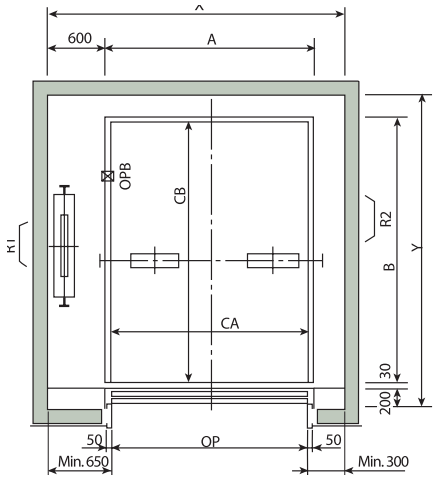
CAPACITY	SPEED (M/MIN)	ENTRANCE (WxH)	CAR (INTERNAL WxD)	HOISTWAY (W x D)
750	30 45 60	1100 X 2100	1700 X 1650	2500 X 2150 2500 X 2320
1000	30 45 60	1400 X 2100	1850 X 1850	2750 X 2400 2750 X 2600
500	30 45 60	1700 X 2100	2100 X 2500	3000×3050 3000×3250
2000	30 45 60	1700 X 2100	2300 X 2700	3300×3250 3300×3450
2000	30 45 60	2300 X 2100	2300 X 2700	3300×3250 3300×3490
2500	30 45 60	1800 X 2100	2500 X 3000	3500×3600 3500×3750
2500	30 45 60	2500 X 2100	2500 X 3000	3500×3600 3500×3800
3000	30 45	2700 X 2300	2700 X 3300	3700×3900 3700×4100
3500	30 45	2800 X 2500	2800 X 3800	4050×4400 4050×4600
4000	25 30	3000 X 2800	3000 X 4500	4250×5250 4250×5520
5000	25 30	3200 X 3000	3200 X 5000	4450×5750 4450×6020

▲ NOTES
- Please consult ÖZEL LIFT when the loading capacity is over 5000kg or the car is non-standard size.
- The loading capacity should be over 250kg/m2 minimally.
- The actual reaction may slightly differ from above dimensions in line with machine beam position.

AUTOMOBILE ELEVATOR



2-PANEL UP-SLIDING DOORS (2U)



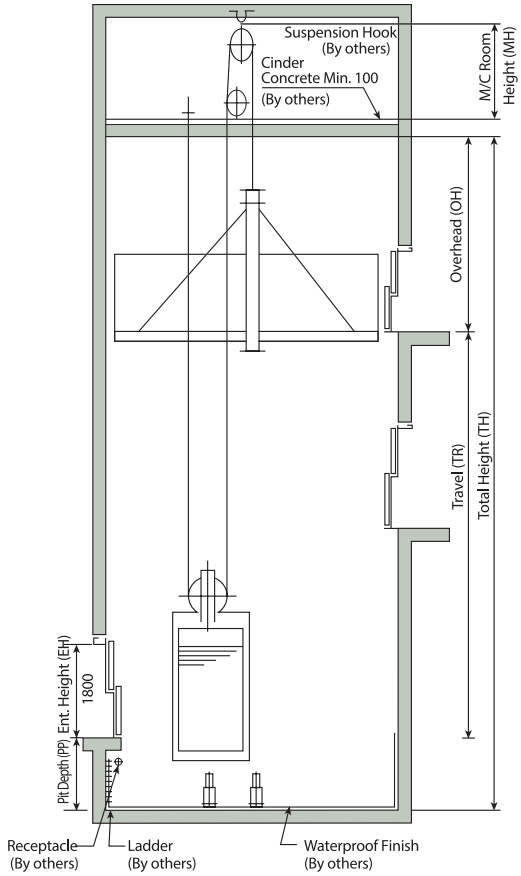
PLAN OF HOISTWAY
& MACHINE ROOM

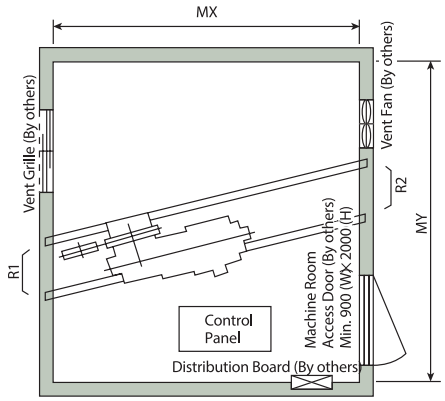
1. Minimum floor height: Opening height x 3/2+700 mm
2. Minimum entrance height: 1800mm

NOTES ▲

1. Temperatures should be maintaned below 40° with ventilating fan and/or air conditioner (if necessary) and humidity below 90%.
2. The specification of car doors are optional.

SECTION OF HOISTWAY

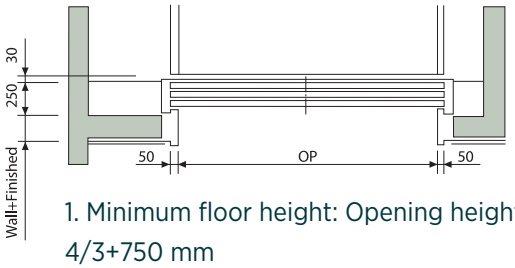




NOTES ▲

The above are minimum size

3-PANEL UP-SLIDING DOORS (3U)



1. Minimum floor height: Opening height x 4/3+750 mm
2. Minimum entrance height: 1800mm

NOTES ▲

Consult Özel Lift if the dimensions are less than minimum

OVERHEAD & PIT DEPTH (MM)

SPEED (M/SEC)	OVERHEAD (OH)	PIT (PP)	M/C ROOM HEIGHT (MH)
0.5 / 0.75	4400	1500	2400

TECHNICAL FEATURES : OPERATION FUNTIONS

FEATURE	DESCRIPTION	
Hali/Car Position Indicator	Persons both in car and at landings (generally main landing) may see, where the elevator (s) are.	●
Intercom System	Provide emergency communication between passengers in the car, car top, platform (pit), the machine room or building staff in a security or maintenance room.	●
Alarm Bell	An alarm sound signal will be given out to the outside in specific conditions.	●
Drive Overheat Protection	Self-protection mode will be achieved if the temp of the motor exceeds the preset value due to the heat made by motor itself or the high temp in the environment. The car stops at the nearest floor, unload and shut down the light and ventilation device, once the temp falls to normal, the car will recover.	●
Cancel Error Calls	Before the car starts, the registration of a call or operation can be canceled by double click of this button. After the car starts, registration cancel will not be allowed for the sake of passenger's safety.	◆
Door Re-open	this function allows the door to reopen while there is a call in the same direction of the car in door closing process.	●
Start Torque compensation	For better comfort at the car's start, computing the load in the car by system will make start smooth.	●
Door Close / Open Button Light	Door Close / Open Button will be highlighted if the buttons are pressed as a success echo.	●
Door Hold Button	Pressure on the Door Hold button "DHB" in the car operating panel opens the door, reverses the door, and keeps the door open for a specified adjustable door hold time.	◆
Emergency Fire Return Operation	If there is a fire in a building, the system will cancel all commands, control the elevator back to the fireman's floor to evacuate the passenger and wait for the fireman's operation after receiving a fire alarm signal. The control center will send the signal when the forced homing has been done successfully.	◆
Independent Service	To satisfy and cater for the customers' special requirements, independent service state is set up to make the elevator operation & its gate operation being controlled manually only.	◆
Car Chime	On the top of the car, a bell ring will be given out when the car reaches the destination floor.	◆
ELD device	When a sudden power cut happens, the device will work and the car will stop at the nearest floor, and after the leveling action, a sound signal will be given out and the door opens meanwhile for unloading.	◆
Non-Stop Button	Once the NSD button is pressed, all calls outside will not be registered, and the car moves directly to the destination floor.	◆
Fireman's Service Light	Indicates that the car is on any kind of Fireman service.	◆
Re-leveling Operation	Stopping errors shall be corrected by re-leveling when loading or unloading. The Possible stopping accuracy depends on the type of drive and the position sensors.	◆
Enable Cancel Door Time with CCB	Under automatic conditions, while the door is fully open and holding period. it can be closed in advance by pressing the CCB button constantly.	●
Delayed Car Door Close Protection	If the door opened for a predetermined time due to constantly pressing the hall call button or other reasons, the elevator will be forced to close to respond other signals, and in case the elevator fails to carry out DCP force-closure, the elevator will stop and the inside or outside calls will be cancelled automatically. And the elevator will recover to normal operation till it detects the door is closed naturally.	●
Door Time Protection - Open	If the car door does not open completely within an adjustable time (default 20 sec) after the door open command due to some mechanical problems or any other reasons, the elevator will cancel all the signals (including external and internal) and go to the floor nearby to release passengers.	●

FEATURE	DESCRIPTION	
Door Time Protection - Close	If there is no door closing signal, the elevator will automatically enter protection mode after the third door closing demand when it is blocked and exceeds the predetermined time limit due to some mechanical problems or any other reasons. It will resume normal operation only if the door closes successfully.	●
Full Load Non-Stop	When a car is loaded to a predetermined percentage of its capacity, it is considered "full". Additional passengers would be unable to enter.	●
Parking Operation	That is stop switch, after the key, which is installed at the predetermined floor been triggered, elevator will move to the predetermined floor after finishing response to all commands. At the same time, energy saving mode will start, cutting off all in car lighting and turning on all stop-lift switch indicator.	◆
Top of car Inspection	The inspection operation switch and its push buttons and an emergency stopping device "TES" shall be placed on the car roof that they are readily accessible.	●
Light and Ventilation in Car	After a preset timeout, the car will suspend in a minor power consuming mode, the light and ventilation device in the car will be shut down if no operations are registered.	●
Overload Protection	If the load exceeds the rated load, sound signal will be given out by speaker, and "OVERLOAD" will be displayed, the car door will not close, the elevator will not start.	●
Hall / Car Direction Indicator	To inform the passengers about the operation direction, there should be a direction indicator on car operational board or in the jamb of the car entrance.	●

● **STANDARD** ◆ **OPTION**

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Criteria Of Tomorrow