

Your Challenge, Our Passion



HAUSEN
ELEVATORS





Eng. **TAREK HELWA**
General Manager

Hausen Elevators one of (Helwa family) companies, is one of the oldest and most prestigious elevator companies in the Arab Republic of Egypt dating back to 1957.

The company is always seeking to keep up with technology and being among the largest and oldest elevator companies to constantly evolve and innovate

We supply and install elevators, escalators, stairlifts and platforms. We provide services according to the international standards and provide high novelty products to achieve the highest level of satisfaction from our customers.

Hausen Elevators was founded in 1989 and represents a number of European operating in the field of elevators and escalators

such as: -

Raloy in Spain, Fupalift in Turkey and Koyo in China
- BKG in Germany

In 2004, The Company began in dealing with international companies that specializes in automatic doors as: Fermator in Spain.

In 2008, the company increased the process of importing and dealing with different brands and added a new products which is: Stairlifts from Handicare in England & and Platform from Lenhner liftechnik GmbH in Austria.

In 2014, The Company obtained a certificate ISO 9001:2008

Vision of our company:-

We seek to always keep up with the technology and pace towards being of the oldest and largest elevator companies that constantly evolve and innovate, we are also very keen on the production and importing process of high quality products that meet the various needs of our customers.

Hausen Elevators has a section for locally assembling imported materials from companies as:

Alberto Sassi - Schineldr - Forcid - machines -Savera
Fupa lift - Fermator - Mil - El - Gustav Wolf - Senta - Has

شركه هاوزن للمصاعد تعتبر احدى شركات (عائله حلوة) وهى من أقدم وأعرق شركات المصاعد بجمهورية مصر العربيه حيث يرجع تاريخ عمل العائله منذ عام ١٩٥٧ وتسعى الشركه دائما فى مواكبه التكنولوجيا لتكون ضمن أكبر وأعرق شركات المصاعد التى تتطور وتبتكر باستمرار

نقوم بتوريد وتركيب المصاعد وتوفير الخدمات حسب المعايير العالميه وتوفير المنتجات عالية الجودة لتحقيق اعلى مستوى من الحفاظ على رضا العملاء .

تأسست شركه هاوزن عام ١٩٨٩ وتمثل عدد من الشركات العامله فى مجال المصاعد والسلالم المتحركة

الشركات هى :-

رالوي - أسبانيا / فوبا ليفت - تركى / كويو - الصين
بى كى جى - المانيا.

فى عام ٢٠٠٤ ، بدأت الشركه فى التعامل مع الشركات العالميه الخاصة بالأبواب الاوتوماتيك ماركة فيرماتور - الاسبانية

فى عام ٢٠٠٨ ، بدأت الشركه فى تنشيط عمليه الاستيراد والتعامل مع العلامات التجاريه المختلفه وقامت بإضافة منتجات جديده لمنتجات الشركه وهو استيرليف من شركه هاندكير - انجلترا وهولندا وبلات فورم من شركه لينير - النمسا

فى عام ٢٠١٤ ، تم الحصول على شهادة ISO 9001 : 2008

رؤية شركتنا :-

نسعى فى استمرار شركتنا فى مواكبه التكنولوجيا ووجودها من اكبر وأعرق شركات المصاعد التى تتطور وتبتكر باستمرار ونقوم على انتاج واستيراد منتجات ذات جودة عاليه تلبي احتياجات مختلف العملاء لدينا

كما ان الشركه لديها قطاع مصاعد تجميع محلى بمنتجات مستوردة من شركه البرتو ساسى - شندلر - فورسيد - سافيرا فوبا ليفت - فيرماتور - ميك ال - جاستف ويلف - سنتا - هاس.



HAUSEN
ELEVATORS
مصاعد هاوزن



Our Products

ELEVATORS

- ◆ Passenger Elevator
- ◆ Panoramic Elevator
- ◆ Hospital Elevator
- ◆ Hydraulic Elevators
- ◆ Freight Elevator
- ◆ Dumb Waiter
- ◆ Home Lift



lenher lift

مصاعد كهربائية

- ◆ مصاعد ركاب
- ◆ مصاعد بانوراما
- ◆ مصاعد المستشفيات
- ◆ مصاعد هيدروليكية
- ◆ مصاعد البضائع
- ◆ مصاعد طعام
- ◆ مصاعد منزلية

ESCALATORS

- ◆ Escalator
- ◆ Moving Walks



سلالم متحركة

- ◆ سلالم متحركة
- ◆ مشايات

STAIRLIFT

- ◆ Straight
- ◆ Curved



- ◆ مستقيم
- ◆ منحنى

PLATFORM

- ◆ Straight
- ◆ Curved



- ◆ مستقيم
- ◆ منحنى



PORTFOLIO

1

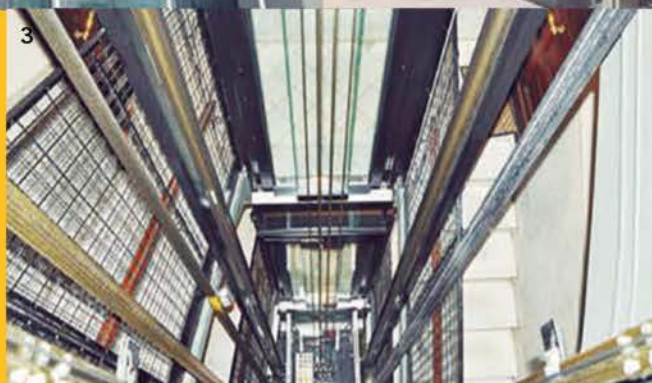


2



- 1. Interior building
Optimus 450 kg
- 2. Duplex with structure
Symbio 1600 kg
- 3. Stairwell
Electric Lift 450 kg
- 4. Homelift with structure
MyDomestic 350 kg
- 5. Refurbishment building
Hydraulic Lift 630 kg

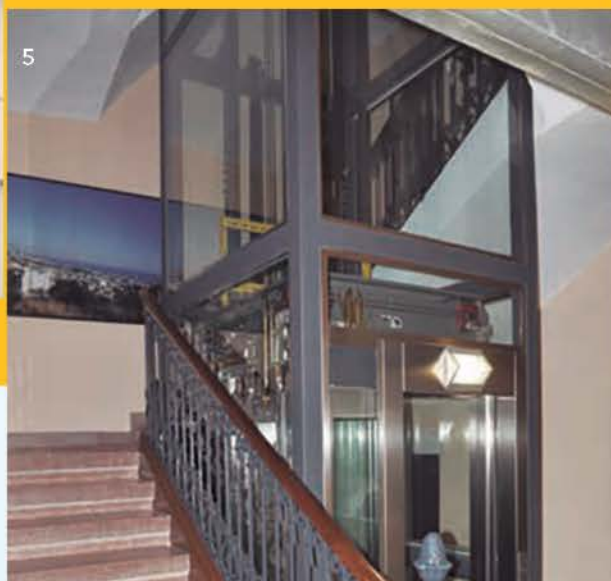
3

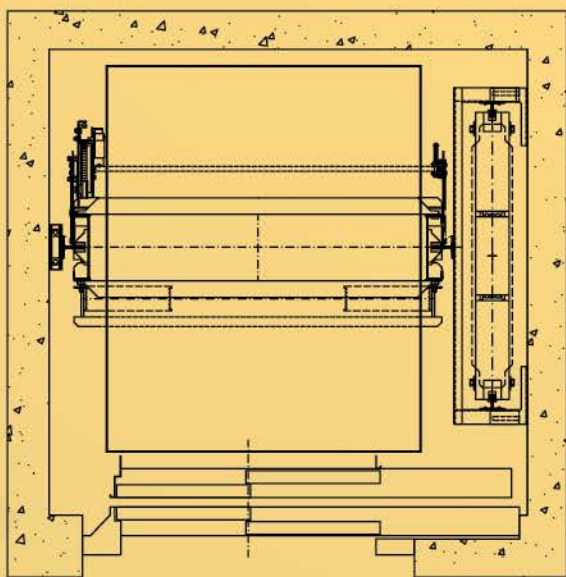


4



5



**SYMBIO GEARLESS**

We have equipped it with a gearless machine to guarantee supreme energy efficiency. The optimisation of the MRL Symbio design has enhanced the lift's comfort and safety.



OPTIMUS GEARLESS

The machine room-less electric lift the best optimizes available shaft.

With **Raloe's Optimus**, the required space is no longer the critical detail that needs to be considered first when deciding whether to install an electric or hydraulic lift in an existing building. This electric lift uses the existing shaft equally efficiently as a hydraulic lift.

When an old building is being refurbished for new usage, many times the old lift is being replaced as well. While doing so, the goal is to make optimal use of the shaft and to create the largest possible car size. Where up until today a hydraulic lift had to be installed, the **Optimus now is providing a real alternative.**

The electric lift, which is available with or without machine room and comes with gearless propulsion, can also be used with a **singlephase current and merely requires 250mm space on the side of the rucksack frame.** Further space-optimization is guaranteed by mounting guidance and counterweight rails in the same layer.





TRACTION LIFT 2V 3VF WITH MACHINE ROOM

Conventional traction lift with 2 speeds (3VF) with machine room

Technical characteristics:

- Nominal speed up to 2,5 m/s
- Nominal load up to 3.000 kg
- Standard headroom 3.700 mm.
- Standard pit 1.200 mm.
- Travel up to 100 m.



CAR FINISHES

Doors

Automatic door



Primed
Stainless steel



Big vision panel

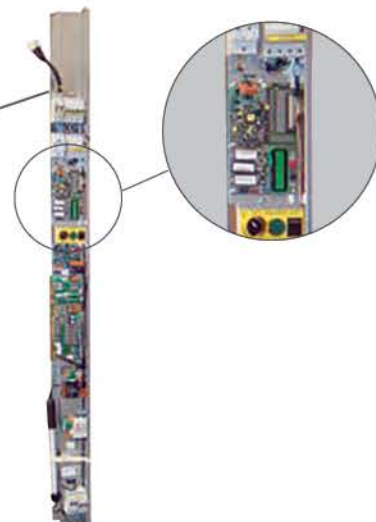


Folding door big
vision panel



Complete glass stainless
steel frame

Control panel inside frame door



Semiautomatic door



Vision panel



Big vision panel



Complete glass

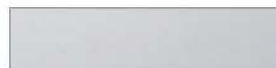
Door finishes



Grey RAL 7032



Leather



Satin



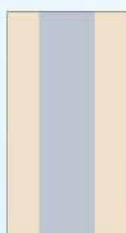
Gold

Availability of different RAL colours. Please ask.

Mirror



1/2



Mirror slat



Full mirror





ALBERTO SASSI
S 48



ALBERTO SASSI
S 38S
MADE IN SPAIN



ALBERTO SASSI
S 38
MADE IN SPAIN



ALBERTO SASSI
S 58



FORCID ITALY SRL FD48



FORCID ITALY SRL FD63



ALBERTO SASSI
G200 T1



ALBERTO SASSI
G300 T1



Schindler W140 N



Savera



Eker



Fermator - Spain





S1



S2



S3



S4



S5



S6



S7



S8



S9



S10



S11



S12



S13



S14



S15

HAUSEN 115**Machine - room - less (MRL) solution**

GENERAL SPECIFICATIONS

Load / Capacity	320 to 1000 kg 4 to 13 persons			
Speed	1- 1.6 m/s			
Maximum travel	45 m			
Maximum floors served	16 floors			
Entrances	1 front		2 open through	
Drive system	Direct Gearless			
Controller	ARCA II controller, low energy microprocessor			
Door types	Automatic side-opening		Automatic centre-opening	
Clear door opening	From 600 to 1500 mm (in 100 mm increments)			
Door height	2000	2100	2200	2300
Car dimensions	Parametric car dimensions			
Internal car height	2100	2200	2300	2400
Aesthetic solutions	S1	S2	S3	S4

standard Optional

HAUSEN 215**Machine - room above solution**

GENERAL SPECIFICATIONS

Load / Capacity	320 to 1000 kg 4 to 13 persons			
Speed	1-1.6 m/s			
Maximum travel	45 m			
Maximum floors served	16 floors			
Entrances	1 front		2 open through	
Drive system	Direct Gearless			
Controller	ARCA II controller, low energy microprocessor			
Door types	Automatic side-opening		Automatic centre-opening	
Clear door opening	From 600 to 1500 mm (in 100 mm increments)			
Door height	2000	2100	2200	2300
Car dimensions	Parametric car dimensions			
Internal car height	2100	2200	2300	2400
Aesthetic solutions	S1	S2	S3	S4
				S5

standard Optional

HAUSEN 310**Hydraulic drive solution**

GENERAL SPECIFICATIONS

Load / Capacity	320 to 1000 kg 4 to 13 persons			
Speed	0.6 m/s			
Maximum travel	21 m			
Maximum floors served	7 floors			
Entrances	1 front	2 open through	2 front & side	
Drive system	Hydraulic			
Controller	ARCA II controller, low energy microprocessor			
Door types	semi-automatic+Articulated (Bus)	Automatic side-opening		Automatic centre-opening
Clear door opening	From 600 to 1500 mm (in 100 mm increments)			
Door height	2000	2100	2200	2300
Car dimensions	Parametric car dimensions			
Internal car height	2100	2200	2300	2400
Aesthetic solutions	\$1	\$2	\$3	\$4
				\$5

standard Optional



HAUSEN 115

Machine - room - less (MRL) solution

The customised solution.

Maximum flexibility and performance.

1 DRIVE

Compact, quiet, gearless, energy efficient, speed controlled permanent magnet electric motor.

2 REDUCED HEADROOM

Optional feature to allow the reduction of the shaft headroom required, whilst maintaining the maximum safety and protection for maintenance staff.

3 NEW GENERATION OF DOORS

Compact permanent magnet motor for fast, accurate and quiet door operation giving the most advanced performance. Advanced door opening and photoelectric curtain

4 TRACTION ROPES

They replace the traditional steel wire ropes. Owing to their lighter weight, longer lifespan and greater flexibility, they make it possible to use a more compact machine with a more efficient and ecofriendly motor

5 AUTOMATIC RESCUE SYSTEM

With floor level indication to ensure fast, efficient and safe evacuation of passengers in the event of an emergency.

As an option, the system can incorporate a fully-automatic rescue device to evacuate passengers in the event of a power failure.

6 SHAFT USABILITY

Lifts specifically designed to use all the shaft space available.

7 TWO-WAY COMMUNICATIONS

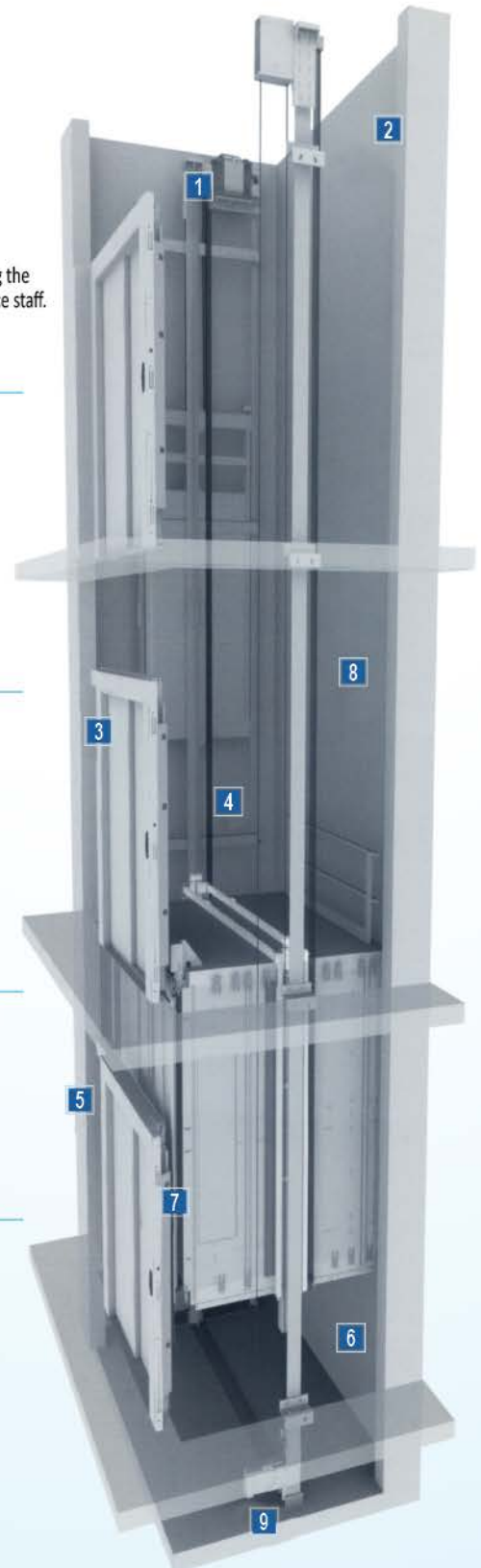
Between the lift and the emergency 24-hour Service Call Center according to EN 81-28 (optional).

8 PARAMETRIC/FLEXIBLE

Parametric products allow adaptability of the dimensions to meet the requirements of the lift well.


9 ACCESSIBLE SPACE BELOW THE PIT

Adapts the lift to suit buildings which have an accessible space below the pit.



12 Standard Dimensions



LOAD / CAPACITY			CAR			LIFT SHAFT *									
						SIDE-OPENING DOORS		CENTRE-OPENING DOORS							
SPEED	 PERSONS	Q LOAD	AC WIDTH	FC DEPTH	PL CLEAR OPENING	ENTRANCES No. OF ENTRANCES	AH ¹ WIDTH	FH ² DEPTH	AH WIDTH	FH ³ DEPTH	HF PIT	HUP HEADROOM			
1 m/s	4 pers	320 kg	825	1100	700	1 2x180°	1300	1350 1500			1000 (850) ⁴	3400 (3000) ⁵			
	6 pers	450 kg	1000	1250	800	1 2x180°	1450	1500 1650	1725	1450 1550					
	8 pers	630 kg	1100	1400	900	1 2x180°	1600	1675 1850	1925	1625 1750					
	10 pers	800 kg	1350	1400	900	1 2x180°	1825	1675 1850	1925	1625 1750					
	13 pers	1000 kg	1600	1400	1000	1 2x180°	2075	1675 1850	2150	1625 1750					
			1100	2100	1000	1 2x180°	1775	2375 2550	2125	2300 2400					
	1.6 m/s	4 pers	320 kg	825	1100	700	1 2x180°	1325	1350 1500					1150	3550
		6 pers	450 kg	1000	1250	800	1 2x180°	1475	1500 1650	1725			1450 1550		
8 pers		630 kg	1100	1400	900	1 2x180°	1625	1675 1850	1925	1625 1750					
10 pers		800 kg	1350	1400	900	1 2x180°	1850	1675 1850	1925	1625 1750					
13 pers		1000 kg	1600	1400	1000	1 2x180°	2100	1675 1850	2175	1625 1750					
			1100	2100	1000	1 2x180°	1775	2375 2550	2125	2300 2400					

1) Accessible space below the pit (counterweight with safety gear) add 50 mm to AH

2) Shaft depth with door tracks projecting 60 mm on the landing

3) Shaft depth with door tracks projecting 40 mm on the landing

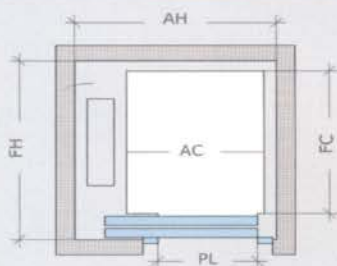
4) HF reduced pit optional 850 mm

5) HUP minimum for internal car height (HC) 2100 mm (HUP=HC+1300)

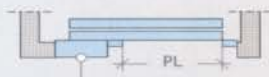
HUP reduced headroom optional (HUP=HC+900).

LAYOUT

1 ENTRANCE

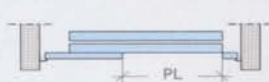


DETAIL OF CONTROLLER

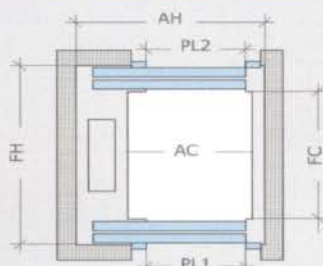


Controller at the top floor:
277 x 152 mm
Optional locations available

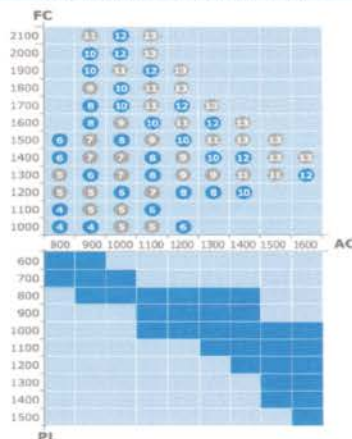
WIDE-FRAMED DOOR DETAIL



2 ENTRANCES (OPEN THROUGH)

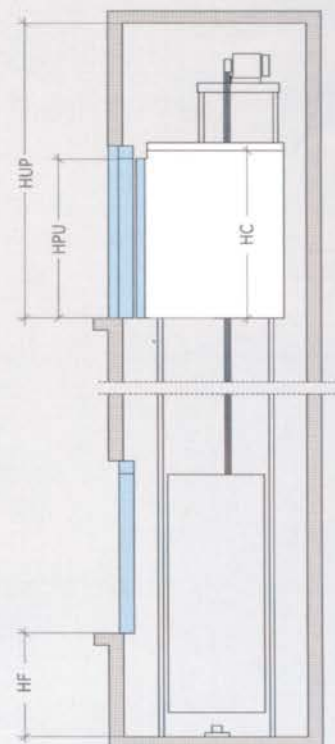


CUSTOMISED CAR DIMENSIONS



Note: Car width and depth variable in increments of 5 mm.
For simplification, table samples increments of 100 mm.

VERTICAL SECTION





HAUSEN 215

Machine - room above solution

The customised solution with machine-room, maximum flexibility and greatest performance.

1 DRIVE

Compact, quiet, gearless, energy efficient, speed controlled permanent magnet electric motor.

2 MACHINE-ROOM

A traditional configuration simplifies lift maintenance.

3 NEW GENERATION OF DOORS

Compact permanent magnet motor for fast, accurate and quiet door operation giving the most advanced performance. Advanced door opening and photoelectric curtain

4 TRACTION ROPES

They replace the traditional steel wire ropes. Owing to their lighter weight, longer lifespan and greater flexibility, they make it possible to use a more compact machine with a more efficient and ecofriendly motor

5 AUTOMATIC RESCUE SYSTEM

With floor level indication to ensure fast, efficient and safe evacuation of passengers in the event of an emergency.

As an option, the system can incorporate a fully-automatic rescue device to evacuate passengers in the event of a power failure.

6 PARAMETRIC/FLEXIBLE

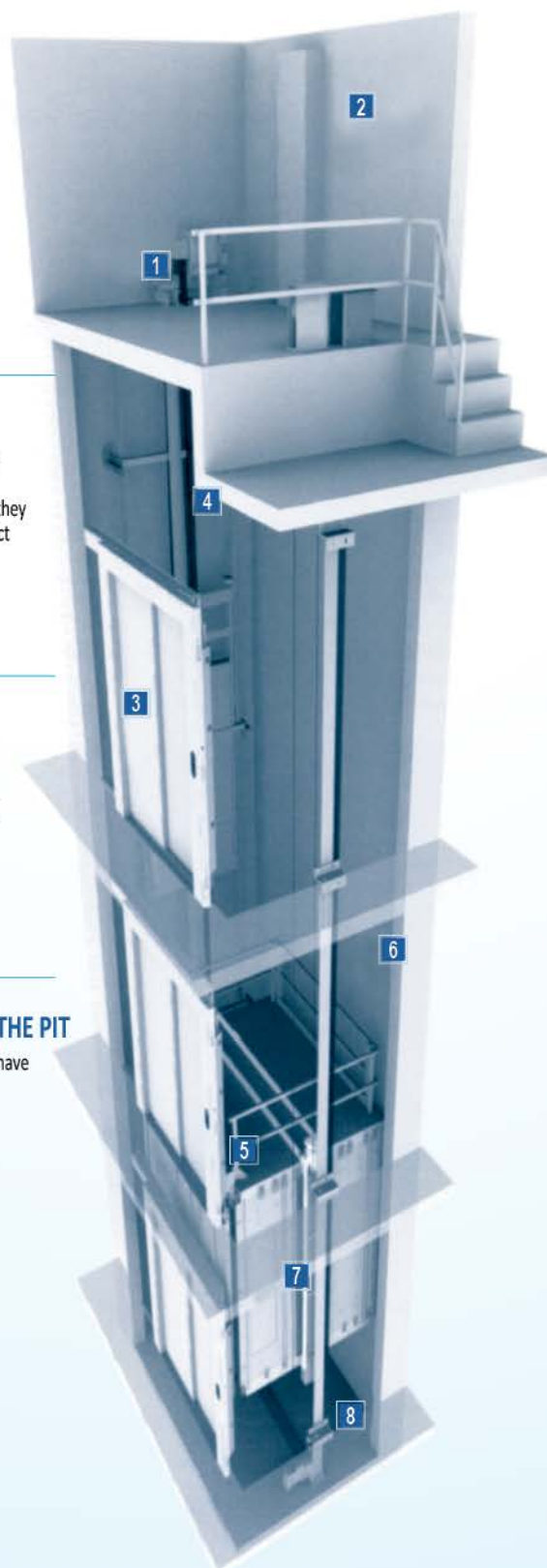
Parametric products allow adaptability of the lift dimensions to meet the requirements of the lift well.

7 TWO-WAY COMMUNICATIONS

Between the lift and the emergency 24-hour Service Call Center according to EN 81 - 28 (optional).


8 ACCESSIBLE SPACE BELOW THE PIT

Adapts the lift to suit buildings which have an accessible space below the pit.



14 Standard Dimensions



LOAD / CAPACITY			CAR			LIFT SHAFT *										
								SIDE-OPENING DOORS		CENTRE-OPENING DOORS						
SPEED	 PERSONS	Q LOAD	AC WIDTH	FC DEPTH	PL CLEAR OPENING	ENTRANCES		AH ¹ WIDTH	FH ² DEPTH	AH WIDTH	FH ³ DEPTH	HF PIT	HUP HEADROOM			
1 m/s	4 pers	320 kg	825	1100	700		1 2x180°	1300	1350 1500			1000 (850) ⁴	3400 (3000) ⁵			
	6 pers	450 kg	1000	1250	800		1 2x180°	1450	1500 1650	1725	1450 1550					
	8 pers	630 kg	1100	1400	900		1 2x180°	1600	1675 1850	1925	1625 1750					
	10 pers	800 kg	1350	1400	900		1 2x180°	1825	1675 1850	1925	1625 1750					
	13 pers	1000 kg	1600	1400	1000		1 2x180°	2075	1675 1850	2150	1625 1750					
			1100	2100	1000		1 2x180°	1775	2375 2550	2125	2300 2400					
	1.6 m/s	4 pers	320 kg	825	1100	700		1 2x180°	1325	1350 1500					1150	3550
		6 pers	450 kg	1000	1250	800		1 2x180°	1475	1500 1650	1725			1450 1550		
8 pers		630 kg	1100	1400	900		1 2x180°	1625	1675 1850	1925	1625 1750					
10 pers		800 kg	1350	1400	900		1 2x180°	1850	1675 1850	1925	1625 1750					
13 pers		1000 kg	1600	1400	1000		1 2x180°	2100	1675 1850	2175	1625 1750					
			1100	2100	1000		1 2x180°	1775	2375 2550	2125	2300 2400					

1) Accessible space below the pit (counterweight with safety gear) add 50 mm to AH

2) Shaft depth with door tracks projecting 60 mm on the landing

3) Shaft depth with door tracks projecting 40 mm on the landing

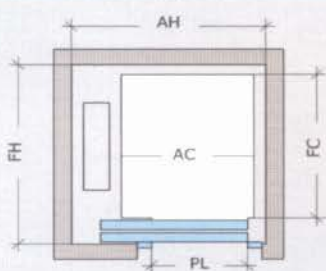
4) HF reduced pit optional 850 mm

5) HUP minimum for internal car height (HC) 2100 mm (HUP=HC+1300)

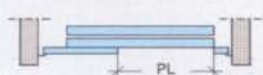
HUP reduced headroom optional (HUP=HC+900).

LAYOUT

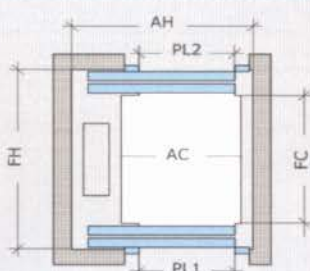
1 ENTRANCE



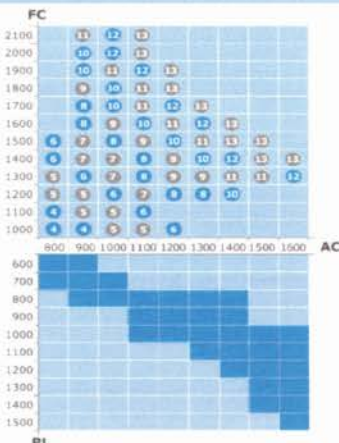
WIDE-FRAMED DOOR DETAIL



2 ENTRANCES (OPEN THROUGH)

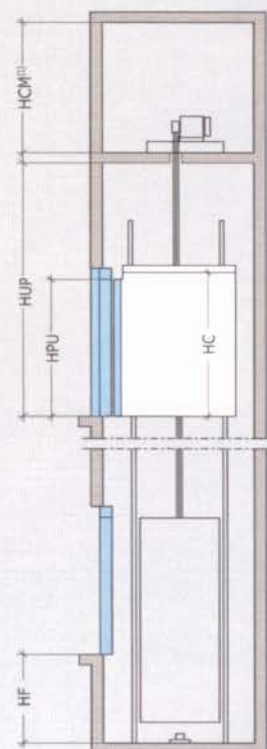


CUSTOMISED CAR DIMENSIONS



Note: Car width and depth variable in increments of 5 mm.
For simplification, table samples increments of 100 mm.

VERTICAL SECTION



(1) HCM - minimum 2000 mm

HAUSEN 310

Hydraulic drive solutions

The versatile and adaptable hydraulic solution.

1 HYDRAULIC LIFTS

The hydraulic systems, renowned for their long life cycle, are very versatile and offer convenient solutions to high load requirements or reduced shaft spaces.

2 PARAMETRIC/FLEXIBLE

parametric products allow adaptability of the lift dimensions to meet the requirements of the lift well.

3 NEW GENERATION OF DOORS

Compact permanent magnet motor for fast, accurate and quiet door operation giving the most advanced performance. Advanced door opening and photoelectric curtain

4 REDUCED MACHINE-ROOM

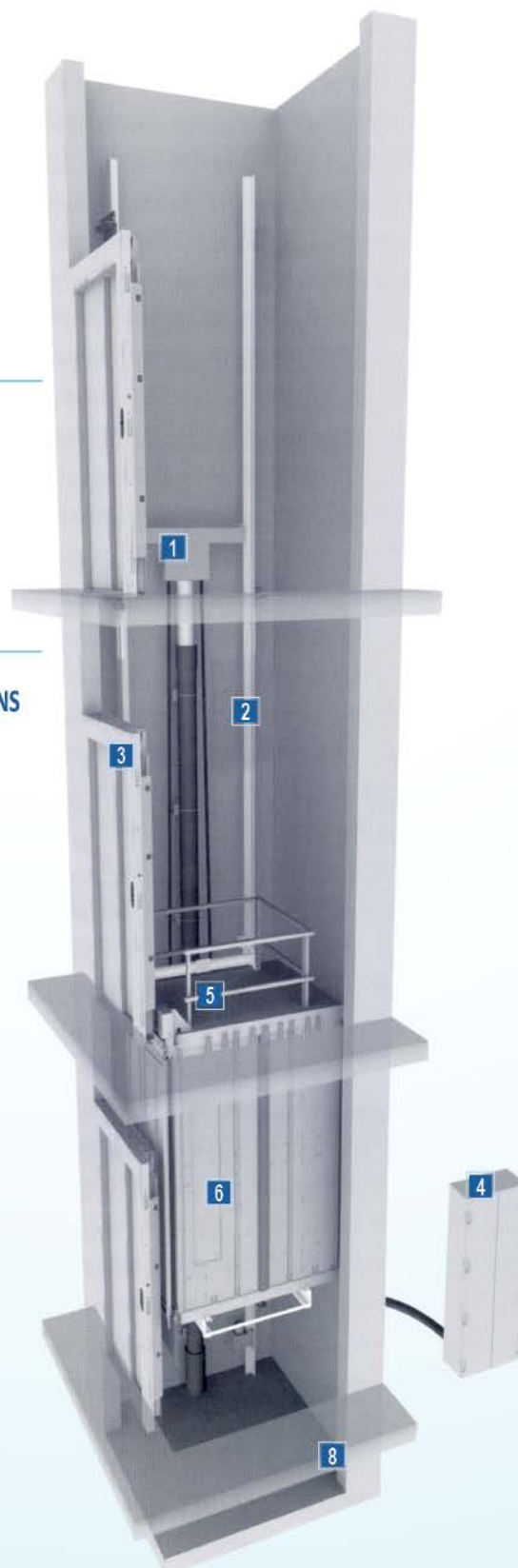
As an alternative to a machine-room, the controller/machinery can be fitted into a metal cabinet and located in a convenient location within the building.

5 CAR ACCESSIBILITY

Optional EN 81-70 accessible car.
Optional car light control, including LED lighting options.

6 TWO-WAY COMMUNICATIONS

Between the lift and the emergency 24-hours Service call centre according to EN 81-28 (optional).



16 Standard Dimensions

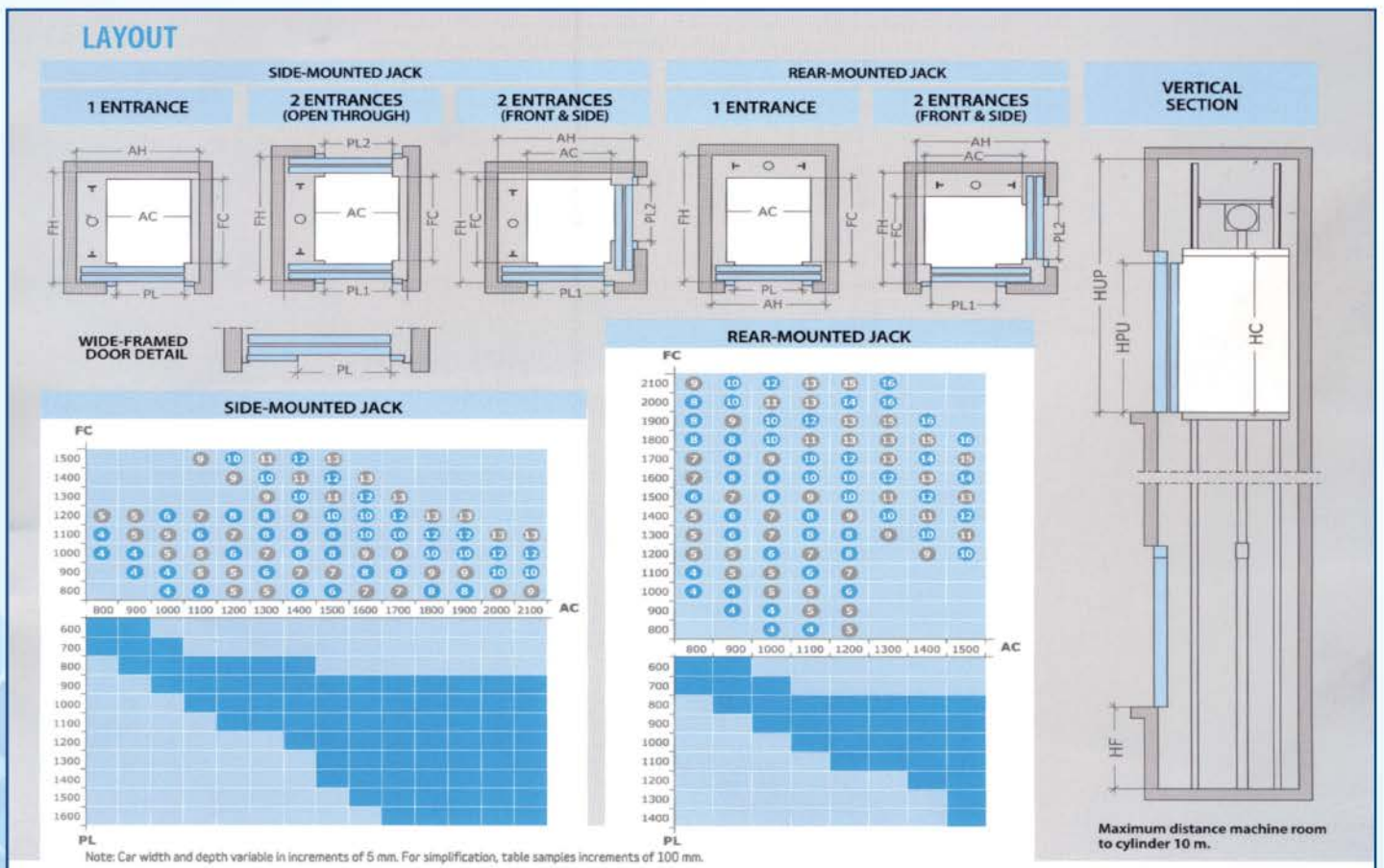
HAUSEN

ELEVATORS



LOAD / CAPACITY		LIFT SHAFT *															
		DOORS SIDE JACK (T 2P Doors)									DOORS SIDE JACK (c 4P Doors)						
		STANDARD CAR			LIFT SHAFT*						STANDARD CAR			LIFT SHAFT*			
PERSONS	Q LOAD	AC WIDTH	FC DEPTH	PL CLEAR OPENING	ENTRANCES		AH WIDTH	FH ¹ DEPTH	AC WIDTH	FC DEPTH	PL CLEAR OPENING	ENTRANCES		AH WIDTH	FH ¹ DEPTH	HF PIT	HEADROOM
4 pers	320 kg	825	1100	700		1	1250	1350	825	1100	700		1	1175	1650	1050	
						2x180°	1250	1500					2x180°				
						2x90°	1400	1350					2x90°	1175	1650		
6 pers	450 kg	1000	1250	800		1	1425	1500	1000	1250	800		1	1325	1800		
						2x180°	1425	1650					2x180°				
						2x90°	1575	1500					2x90°	1325	1800		
8 pers	630 kg	1100	1400	900		1	1575	1650	1200	1250	900		1	1475	1800	1100	
						2x180°	1575	1800					2x180°				
						2x90°	1675	1650					2x90°	1475	1800		
10 pers	800 kg	1350	1400	900		1	1800	1650	1350	1400	900		1	1700	1975		
						2x180°	1800	1800					2x180°				
						2x90°	1925	1650					2x90°	1700	1975		
13 pers	1000kg	1100	2100	900		1	1550	2350									
						2x180°	1550	2500									
						2x90°	1675	2350									
		1400	11600	1000		1	1850	1850	1600	1400	1000		1	1700	1975		
						2x9180°	1850	2000					2x9180°				
						2x90°	1975	1850					2x90°	1850	1975		

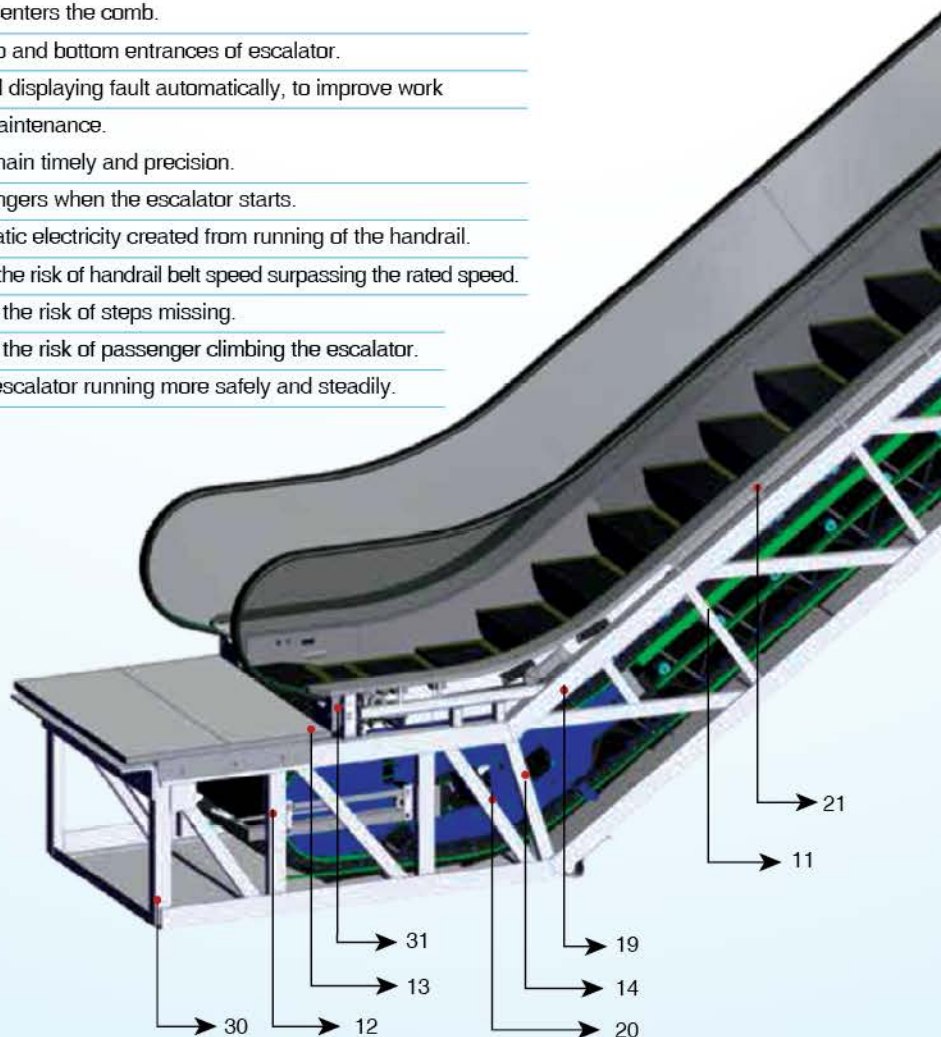
- 1) Shaft depth with door tracks projecting 60 mm on the landing
- 2) Minimum HUP for internal car height (HC) of 2100 mm (HUP=HC1225+)

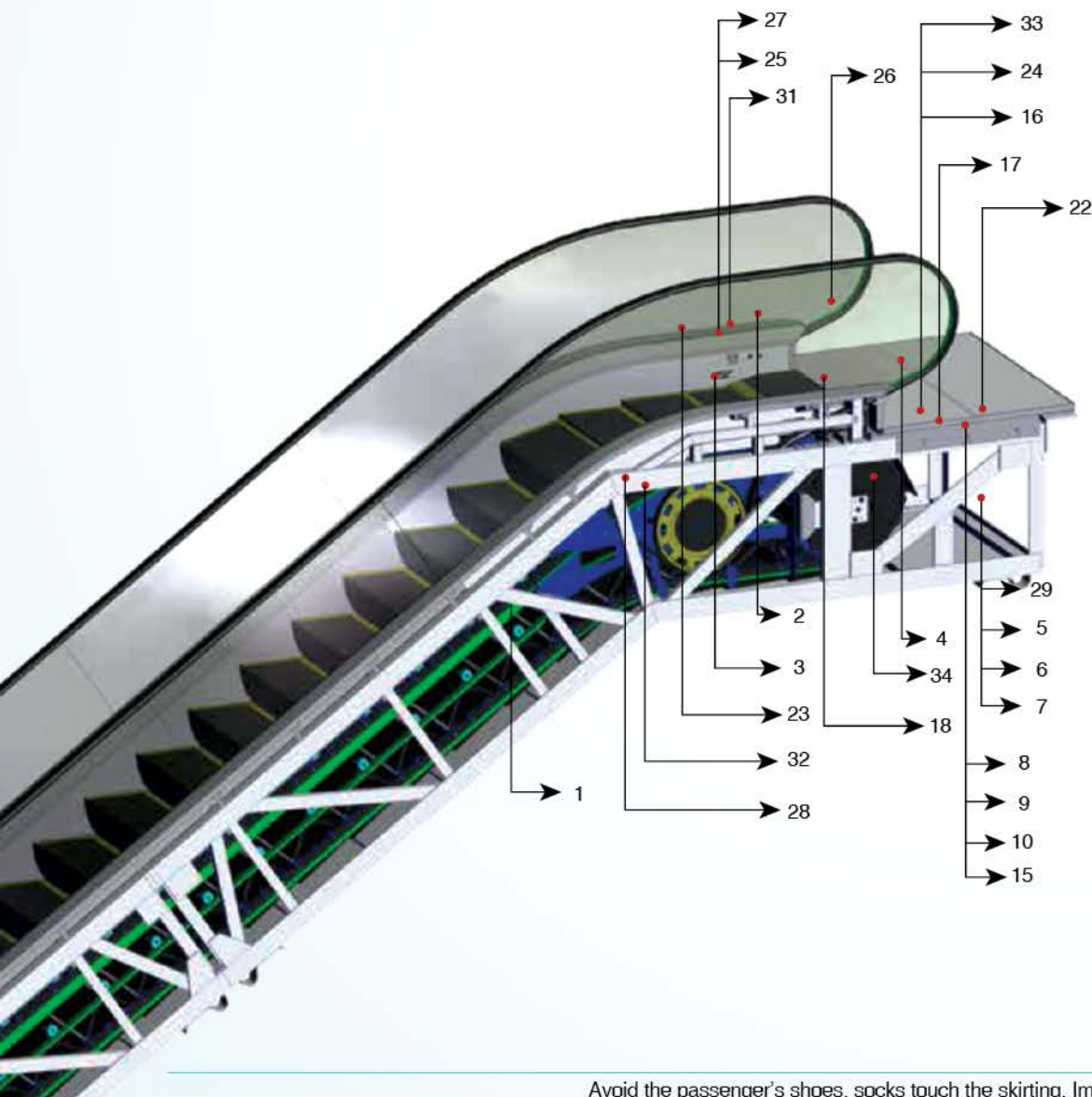




➤ Standard and Optional Function

No.	Safety Function	Description
1	Anti-static brush	Eliminates static electricity created from running of the steps /pallets.
2	Emergency stop button	To stop the escalator/passenger conveyor immediately.
3	Skirting protection	Protect against the risk caused by the foreign bodies between steps and skirting panels.
4	Handrail entrance protection	Protect against the risk of foreign bodies being jammed into handrail entrances.
5	Broken drive-chain protection	Protect against the risk of drive chains breaking or elongation.
6	Over/Under speed monitor	Protect against the risk of the escalator being over or under speed.
7	Anti-reversal protection	Protect against the risk of wrong direction of running.
8	Default phase protection	Protect against the risk of phase failure.
9	Electric circuit protection	Double protection on circuits to make sure escalator running more reliably.
10	Motor overload and overheat protection	Act when the motor current is over %120, escalator will stop moving automatically.
11	Step/Pallet sagging protection	Protect against the risk of steps/pallets breaking and sagging.
12	Broken step-chain protection	Protect against the risk of step-chain breaking or undue elongation.
13	Comb protection	Protect against the risk of foreign bodies being trapped at the point where the step enters the comb.
14	Step gap illumination	To show the top and bottom entrances of escalator.
15	Fault display	Diagnosing and displaying fault automatically, to improve work efficiency on maintenance.
16	Auto Lubrication System	Supply oil for chain timely and precision.
17	Start alarm device	To warn passengers when the escalator starts.
18	Handrail anti-static protection	To eliminate static electricity created from running of the handrail.
19	Handrail belt speed monitor	Protect against the risk of handrail belt speed surpassing the rated speed.
20	Step missing protection	Protect against the risk of steps missing.
21	*Anti-creeping device	Protect against the risk of passenger climbing the escalator.
22	*PESSRAE system	To make sure escalator running more safely and steadily.





23	Skirting brush	Avoid the passenger's shoes, socks touch the skirting, Improve the safety of the passengers, Also protect the steps and the whole escalator normal operation.
24	The machine room protection panel	Avoid touch the step when under maintenance, Improve the safety of the passengers.
25	Fault display	The error number will be display on the screen and easy for maintenance.
26	* Auto-start by photocell sensors / contact mats	Stop or slow running state which will be saving energy.
27	* Comb heating system	Avoid comb freezing when the lower temperature.
28	* Truss heating system	Avoid the step freezing when the lower temperature.
29	* BMS remote monitoring system	Remote control the single escalator, Centralized control Multi-escalators.
30	*Oil-water separator	As the outdoor escalators, Oil should be separated to avoid pollute the environment.
31	*Comb lighting	Enhancing brightness for the steps touching combs, much safer.
32	*Step/Pallet jumping device	If the step/pallet jump to touch the switch, the escalator will be stopped.
33	*Auxiliary brake	The escalators will be stopped when the main drive chain broken or overspeed.
34	*Machine reversal protection	Protect against the reversal of the direction of travel.

*Optional function



➤ Option Form for Escalator Specification

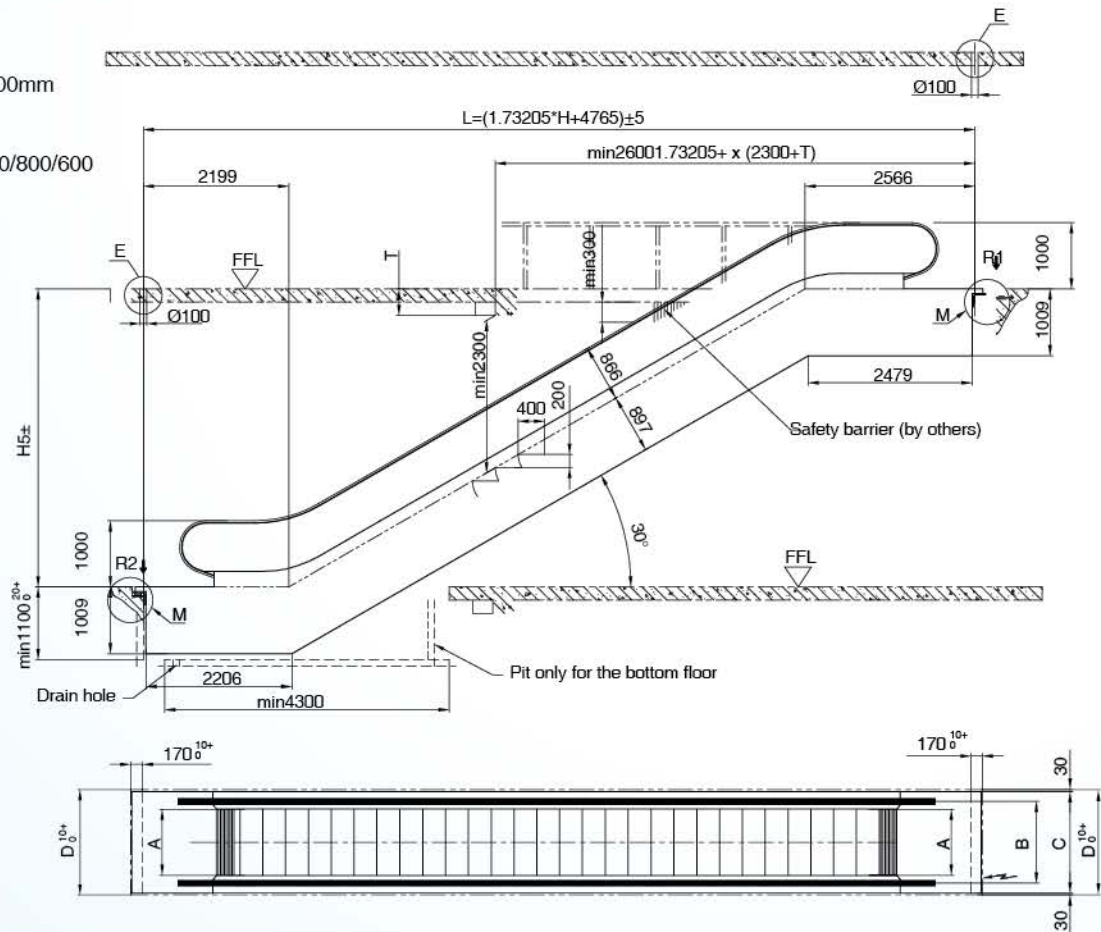
		Slim Type	Indoor Commercial Type	Outdoor Commercial Type	Public Transport Type
Handrail Belt	Synthetic rubber (black)	▲	▲	▲	▲
	Other colors	△	△	△	△
Handrail Bracket	Hairline Stainless Steel	▲			
	Aluminum Alloy		▲	▲	▲
Balustrade Panel	Colorless Transparent Tempered Glass	▲	▲	▲	▲
	Colored Transparent Tempered Glass	△	△	△	△
	Inclined Hairline Stainless Steel		△	△	△
Inner & Outer Decking	Hairline Stainless Steel	▲	▲	▲	▲
	Teflon Finished Steel Plate	△	△	△	△
	Teflon Finished Stainless Steel	△	△	△	△
Skirting	Hairline Stainless Steel	▲	▲	▲	▲
	Teflon Finished Steel Plate	△	△	△	△
	Teflon Finished Stainless Steel	△	△	△	△
Step	Stainless Steel with Yellow Demarcation	▲	▲		
	Whole Die cast Aluminum	△	△	△	△
	Aluminum with Yellow Plastic Demarcation	△	△	▲	▲
Comb	Synthetic Resin (Yellow)	△	△	△	△
	Aluminum Alloy	▲	▲	▲	▲
Landing plate	Stamping Stainless Steel	▲	▲		
	Etching Stainless Steel	△	△	△	△
	Aluminum Alloy	△	△	▲	▲
Truss	Painted Steel Angle	▲	▲		
	Galvanized Steel Angle	△	△	▲	▲
Outside Cladding	Painted Steel (colors for choice)	△	△	△	△
	Hairline Stainless Steel	△	△	△	△
	Tempered Glass	△	△	△	△

Note: ▲ Standard, △ Optional



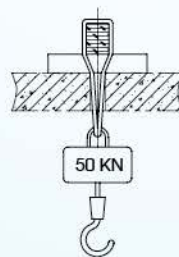
➤ KYS/C 230 Commercial / Slim line Escalator Layout Drawing

Vertical rise: Max. 6000mm
Inclination angle: 30°
Horizontal steps: 2
Step width (mm): 1000/800/600

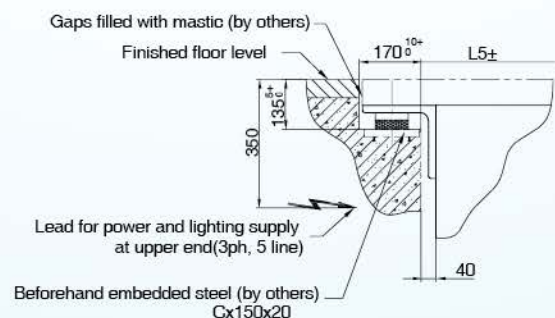


Step width	Vertical rise	Dead load	Reaction force	
A(mm)	H(mm)	KN	R1(KN)	R2(KN)
600	3000	57	46	41
	3500	60	49	44
	4000	64	52	47
	4500	68	56	50
	5000	71	59	53
	5500	75	62	56
800	6000	79	65	59
	3000	59	52	47
	3500	63	56	50
	4000	67	60	54
	4500	71	64	57
	5000	74	68	60
1000	5500	82	74	66
	6000	86	78	69
	3000	63	59	53
	3500	67	64	57
	4000	71	68	61
	4500	75	73	65
	5000	83	79	71
	5500	87	84	75
	6000	92	88	79

Detail E (by others)



Detail M



Explanation:

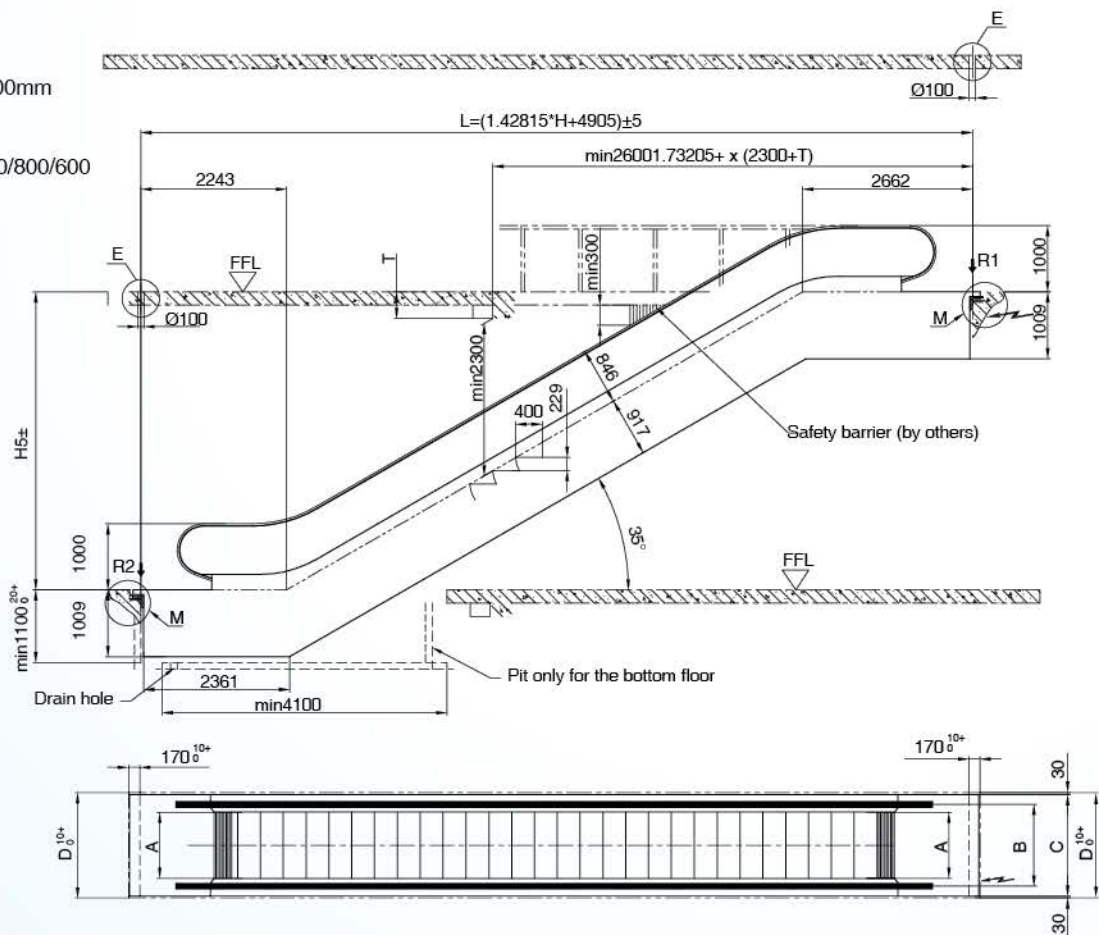
1. All dimensions in mm;
2. If add horizontal step, then horizontal span should be added correspondingly;
3. When the step width $A=600\text{mm}$, the truss must be extended by 420mm;
4. For outdoor type, pit depth should be 1450mm.

Type	KYS/C600-230	KYS/C800-230	KYS/C1000-230
A. Step width	600	800	1000
B. Handrail belt center width	910/838	1110/1038	1310/1238
C. Escalator width	1200/1140	1400/1340	1600/1540
D. Pit width	1260/1200	1460/1400	1660/1600



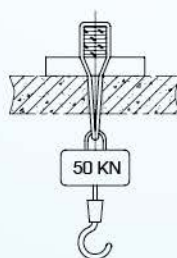
➤ KYS/C 235 Commercial / Slim line Escalator Layout Drawing

Vertical rise: Max. 6000mm
 Inclination angle: 35°
 Horizontal steps: 2
 Step width (mm): 1000/800/600

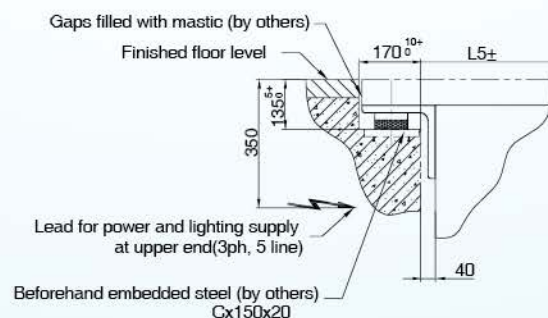


Step width	Vertical rise	Dead load	Reaction force	
A(mm)	H(mm)	KN	R1(KN)	R2(KN)
600	3000	54	43	39
	3500	57	46	41
	4000	60	49	44
	4500	64	52	46
	5000	67	54	49
	5500	70	57	51
800	6000	73	60	54
	3000	56	49	44
	3500	60	52	47
	4000	63	56	50
	4500	66	59	53
	5000	70	62	56
1000	5500	73	65	59
	6000	76	69	61
	3000	60	56	50
	3500	64	60	53
	4000	67	64	57
	4500	71	67	60
	5000	74	71	64
	5500	82	77	69
	6000	85	81	72

Detail E (by others)



Detail M



Explanation:

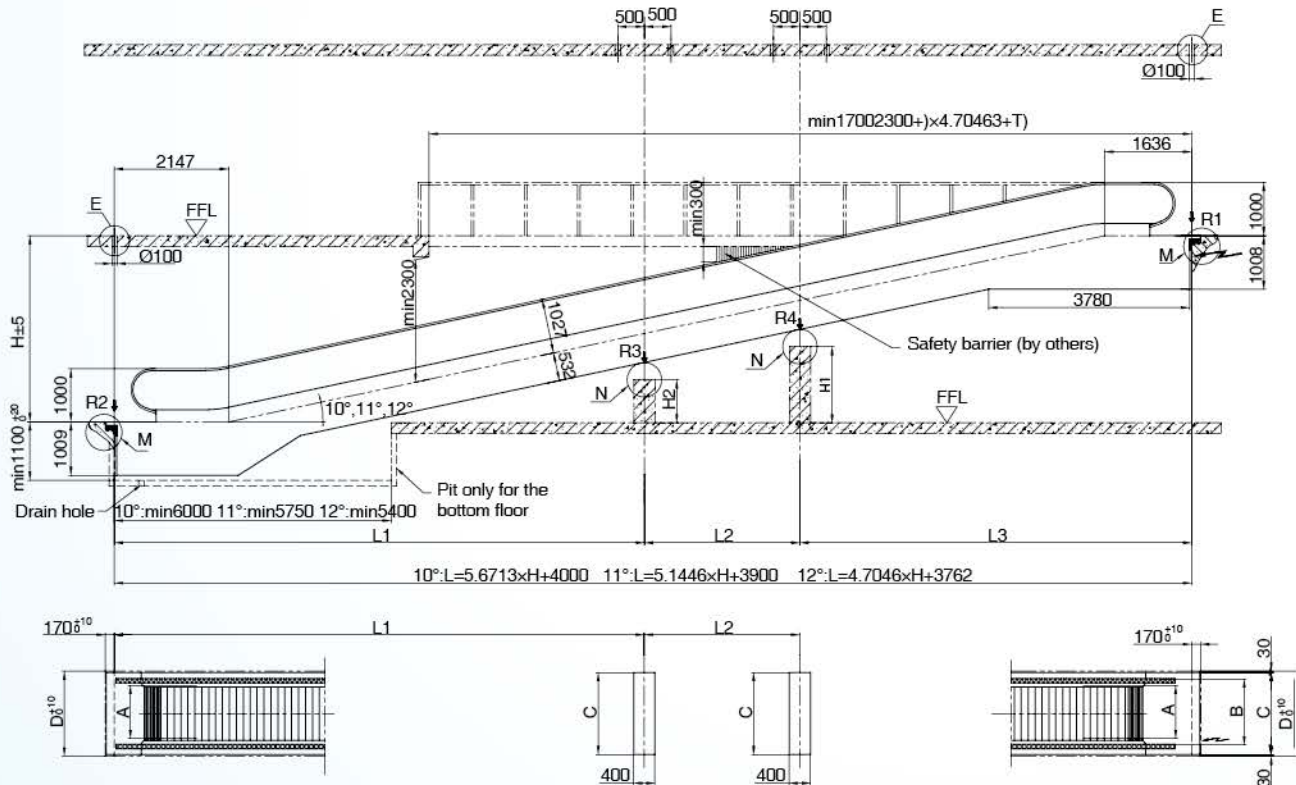
1. All dimensions in mm;
2. If add horizontal step, then horizontal span should be added correspondingly;
3. When the step width A=600mm, the truss must be extended by 420mm;
4. For outdoor type, pit depth should be 1450mm.

Type	KYS/C600-230	KYS/C800-230	KYS/C1000-230
A. Step width	600	800	1000
B. Handrail belt center width	910/838	1110/1038	1310/1238
C. Escalator width	1200/1140	1400/1340	1600/1540
D. Pit width	1260/1200	1460/1400	1660/1600



➤ KYPF12 Commercial Passenger Conveyor Layout Drawing

Vertical rise: Max. 8000mm
Inclination angle: 10°/11°/12°
Step width (mm): 800/1000/



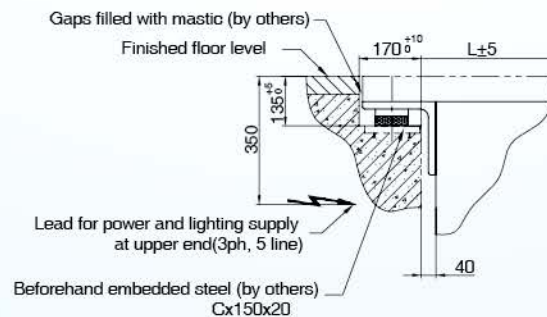
Type	KYPF12800-	KYPF121000-
A. Step width	800	1000
B. Handrail belt center width	1038	1230
C. Escalator width	1340	1540
D. Pit width	1400	1600

Reaction parameters	q	M	N
800	0.0039	9.5	4.5
1000	0.0045	11	5

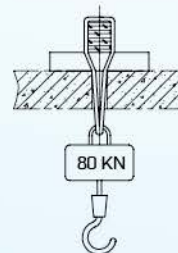
Inclination angle	Vertical rise		Intermediate support	
	From	To	R3(KN)	R4(KN)
10°	1263	1792	-	-
	1793	4437	1	-
	4438	6000	1	1
11°	1393	1975	-	-
	1976	4891	1	-
	4892	6000	1	1
12°	1523	2160	-	-
	2161	5349	1	-
	5350	6000	1	1

Reaction force		
No intermediate support (KN)	Single intermediate support (KN)	Double intermediate support (KN)
R1=Lxq+M	R1=L3xq+M	R1=L3xq+M
	R2=L1xq+N	R2=L1xq+N
R2=Lxq+N	R3=(L1+L3)x1.3xq	R3=(L1+L2)x1.3xq
		R4=(L3+L2)x1.3xq
Note	L1, L2, L3 not exceed 15m	

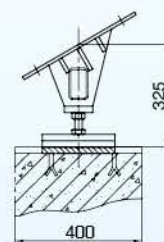
Detail M



Detail E (by others)



Detail N



Explanation:

1. All dimensions in mm;
2. For outdoor type, pit depth should be 1450mm.



Handicare offers solutions and support to increase the independence of disabled or elderly people as well as to improve the convenience of those who are caring for them. Our wide range of high-quality products includes mobility, stairlifts, moving & handling and bathing solutions.





LEHNER LIFTTECHNIK

Since more than 20 years Lehner Lifttechnik GmbH is specialized in the manufacture and sales of platform stairlifts, vertical platform lifts as well as stairclimbers and poollift.

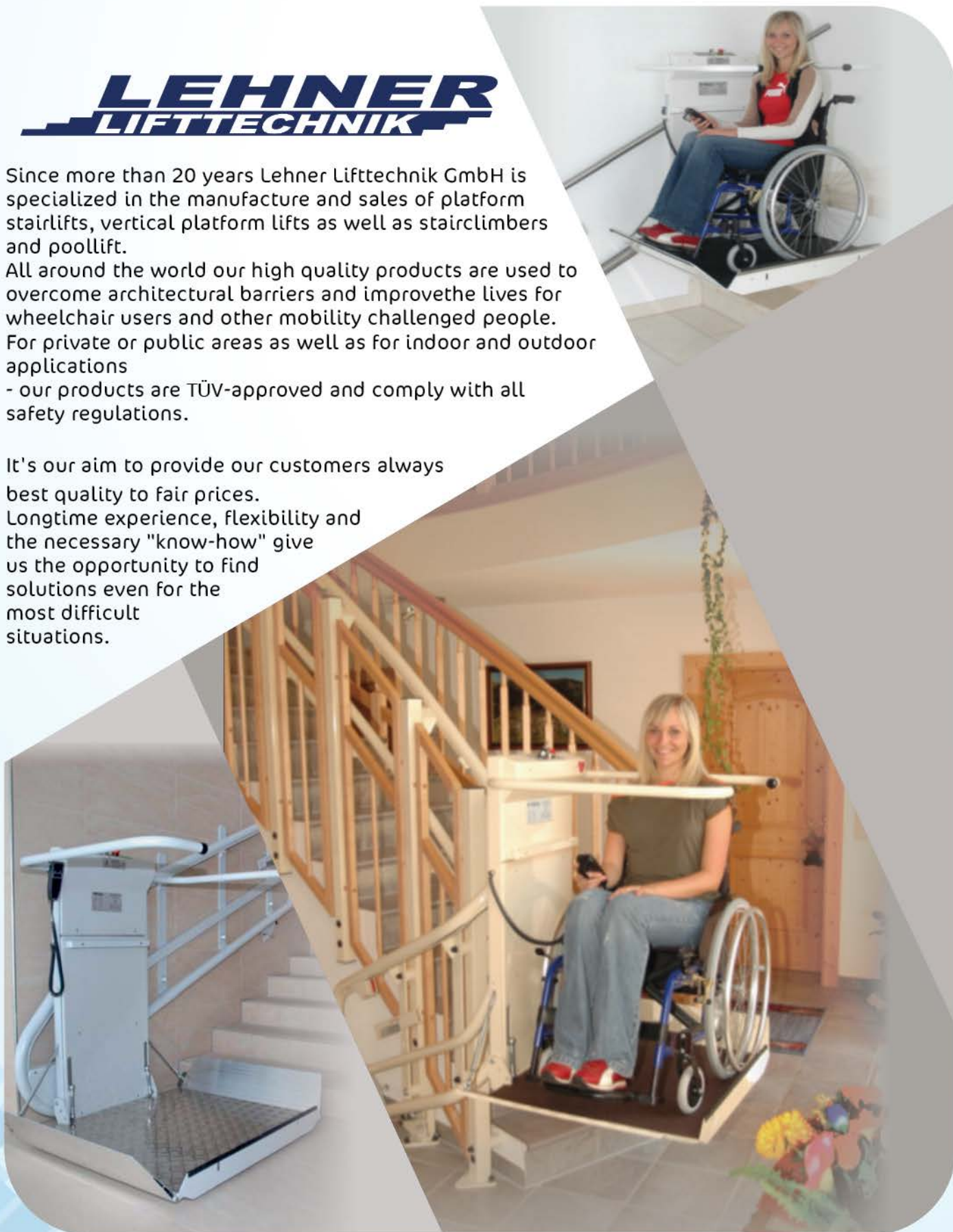
All around the world our high quality products are used to overcome architectural barriers and improve the lives for wheelchair users and other mobility challenged people. For private or public areas as well as for indoor and outdoor applications

- our products are TÜV-approved and comply with all safety regulations.

It's our aim to provide our customers always

best quality to fair prices.

Longtime experience, flexibility and the necessary "know-how" give us the opportunity to find solutions even for the most difficult situations.




BKG

BKG Bunse-Aufzüge GmbH Germany - founded more than 50 years ago is a company specializing in the manufacture of service lifts and goods lifts. Supplies are made to more than 70 countries world-wide, solely to lift companies taking care of the installation and possibly also the maintenance later on. BKG Bunse Aufzüge GmbH has agencies in many countries of the world. Quality and delivery faith have always been the basis of our company's philosophy. BKG products are known for customized solutions, high quality standards, short delivery and installation times, reliability, and pre-mounted electric installations. BKG range of products includes service lifts, goods lifts, automatic lifts, special lifts (e. g. for ships).


BKG


Our Brands



handicare



HAUSEN

ELEVATORS



HAUSEN

ELEVATORS



Elevators and Escalators

☎ +2 02 240 290 88 - 02 240 326 38

F +2 02 226 241 18

@ hausen@link.net

@ hausenelevators@gmail.com

🌐 www.hausenelevators.com

f Hausen elevators

📍 Cairo: 6 Elwageb st., from Abbas El Akkad - Nasr City