



MIMA ENGINEERING PAKISTAN (PVT) LTD
ENGINEERING SOLUTIONS

SICHER ELEVATOR

All for Safe Reach

Sicher Elevator Co., Ltd.

SRH
SAFE REACH

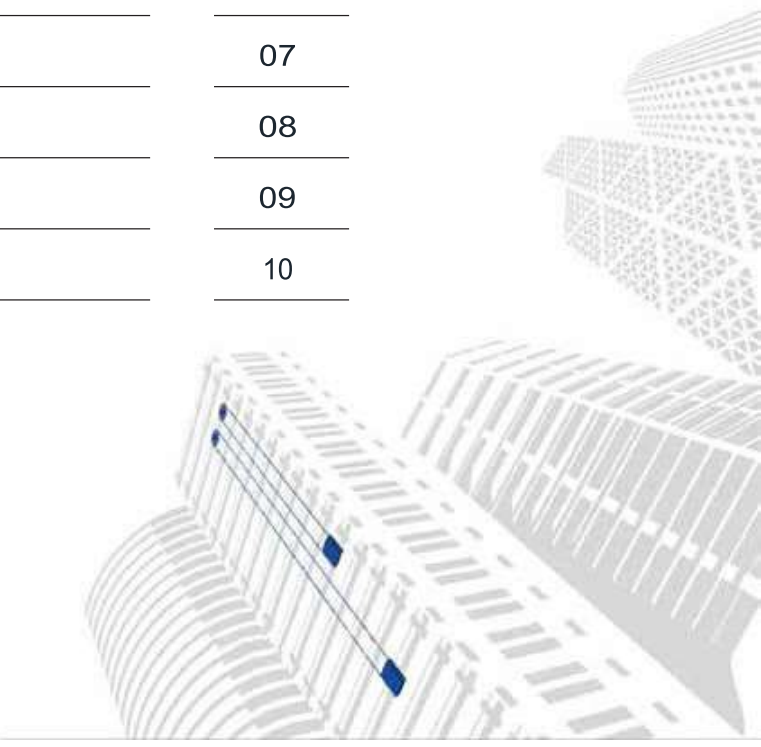




CREATE, ENHANCE AND SUSTAIN

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About us

Mima Group of Companies since its inception in the 1960s has been serving its diverse customer base with superior engineering contracting services.

Our engineering solutions concerning to Civil, Electrical, and Mechanical are second to none.

Our strong emphasis on quality along with our tenacity to adhere to stringent technical requirements enables us to complete our assignments in a highly professional manner.

We have partnered with world renowned brands like Sicher Elevators, Lennox and KingAir to provide the complete range of HVAC products and services.



Vision

We Want to Build the Best Place to Work

Our employees’ high level of engagement comes from our focus on having a culture that is centered on caring for each other. We truly desire the best for everyone which includes investing in mentorship, career planning, education, training, and goals. Engaged employees in turn create better project outcomes, stronger client relationships, and an exceptional work environment overall.

Integrity. Expertise. Leadership

Our expertise in Vertical Transportation services ensures that our customers receive a quality work in a reasonable time frame. This is accomplished through the selective and responsible team, hiring and retaining first class employees, and working for clients that share a belief in open, honest, and direct communication.

Regardless of whether you are an owner, architect, designer, engineer, tenant, broker, subcontractor, or supplier, you are a respected member of our team and will be treated as such. This commitment to team and to open project leadership yields not only successful projects, but more importantly, satisfied customers. The end result of this style of relationship building is 100% referable customers.

We’re committed to your success. Contact us today and let us know how we can help your next project succeed.

Values



We are very good at what we do.

We possess the skills and ability to do what you are currently doing or propose to do. Performing consistently to the satisfaction of others against agreed upon standards. Developing and supporting others where that is part of your role, seniority, and ability. Knowing where you are competent and openly saying “I don’t know” if appropriate.

We follow through on our commitments.

We meet the commitments you make and keep our promises. Being on time for scheduled meetings and deliverables. Doing what you say you will do by the promised deadline. If for some reason completion is at risk, others are notified prior to the due date/time.



We mean what we say.

We are honest. We say what we mean and mean what we say. Raising concerns or offering feedback immediately. While valuing candor, openness, and transparency over conflict avoidance, but in a respectful manner.

We have a genuine desire to meet the needs of people.

We have the other’s interests in mind as well as our own when we make decisions and take actions. Asking for feedback on your relationships to ensure collaboration and teaming with others. Building supportive and diverse teams for future promotion opportunities.



Services

We are Vertical Transportation specialist

We are providing Vertical Transportation solutions to industrial, commercial, residential and professional customers across Pakistan. Our services enable our users to achieve greater productivity, convenience and safety. We also provide the following solutions.

- ✓ HVAC solutions
- ✓ Mechanical System
- ✓ Fire Fighting System
- ✓ Plumbing System
- ✓ Other Specialized Services



Clients

Mima Engineering Pakistan Pvt Ltd. is a sister Company of Mima Brothers and Mima Construction. Mima brothers was established in early 1960, and since its beginning Mima has concentrated mostly on satisfying the customers’ needs and wants by providing world class service and the top quality products in a competitive price.

We at Mima Engineering Pakistan Pvt Ltd. provide a wide collection of Vertical Transportation Solutions like Elevators, Escalators, Travelators, Home Lifts, Cargo Lifts and other product to match the modern life style.

Mima Engineering represents Sicher Elevator – SRH (German Brand) in Pakistan. Mima Engineering also delivers best quality semi imported elevators. Some of projects completed in different areas of Pakistan on Sicher Elevator are as under.



Partners

SRH, originates from German word "Sicher", which means safe, reliable, and reflects the core value of the brand about all for safe reach" throughout and constantly in the complete process of product R&D, manufacturing, sales, installation and service. Sicher covers an area of 147,600 square meters, with overall floorage 170,000 square meters, owns eight functional areas, including headquarters office center, product manufacturing center, R & D center, customer service center, elevator testing center, electrical control center, international communication center, and logistics center, deeply combined industrialization with informatization, which is a large-scale and global market-oriented manufacturing enterprise for elevators, escalators and parking system equipment. Sicher implements the scientific and technological innovation development strategy and establishes several innovation platforms such as Provincial Enterprise Research Institute, Academicians and Experts Workstation, Provincial Post-doctor Scientific Research Workstation, Provincial Enterprise Technology Center, Provincial Industrial Design Center, Provincial High-tech Enterprise Research and Development Center, Sicher Elevator Center Laboratory, China Academy of Building Research-Sicher Elevator R&D Center, Zhejiang Sicher Elevator Science and Technology Research Institute_ It owns over 150 patents and won the honor of "The National Machinery Industry Outstanding Unit". Its quality management has passed the national military standard attestation_ Elevator product was awarded US "Elevator World Project" and moving walk product was awarded "China Records'.



Agent Certificate

This is to certify that the Company

Mima Engineering Pakistan Pvt Ltd.

Address: 303 Central Hotel Building, Mereweather Road, Karachi

Is an official agent of

Sicher Elevator Co., Ltd

In Pakistan

Sicher Elevator Co., Ltd.

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1. East Hall of Headquarters Building
2. VIP Reception Hall
3. Business Rest Hall
4. International Trading Center
5. Video Conference Center
6. Sales Center
7. Headquarters Building Office
8. International Cooperation Center
9. Product Manufacturing Center
10. Logistics Center

A bird's view of the factory zones

It strictly accords with the professional, collective, and international factory design standards. It establishes 8 functional zones such as office, R&D, electric control, manufacture, testing, customer service, logistics, International Cooperation, etc. with scientific planning and reasonable arrangement.

108 meters



Advanced Equipment

16 production lines, top-grade manufacturing craft & tech

Sicher Elevator has introduced 16 advanced production lines, including a full-automatic flexible metal plate production line, a medium-thick metal plate production line, a control system production line, a robot welding production line an automatic spraying production line, etc. It owns a full set of modern NC machining equipment and detection equipment on key and safety components, so as to ensure the product quality.



• Germany Beyeler Servo NC Metal Plate Production Line



• Italy Prima Laser Cutting Equipment



• Germany Beyeler NC Multi-station Machining Centre



• Germany Kuka Robot Welding Production Line



• Germany Wagner Automatic Spraying Production Line



• Profile Shot Blasting Production Line

SRH Aufzüge GmbH

A wholly-owned subsidiary by
Sicher Elevator Co., Ltd.

SRH Aufzüge GmbH is an integrated multinational enterprise that develops, carries out research on, and manufactures elevators, control systems, and other core components. The company is located in Bremen, the second-largest port city in Germany and the manufacturing base of large electronics, shipbuilding, and steel industry enterprises such as Mercedes-Benz, and Europe's largest aerospace manufacturer Astrium; Bremen not only is one of the largest educational centers and technology parks; it is also the second-largest foreign trade hub in Germany and the world's largest port city for the motor vehicle trade. In Germany, as a member of VFA-Interlift e.V., SRH Aufzüge GmbH has participated in the drafting of the EU standards and norms for elevators. It has formed a close strategic alliance with German large and medium-sized complete elevator and elevator parts manufacturing companies with a long history of manufacturing and gradually established an international territory centered in Germany and extending to regions all over the world. In China, Sicher introduces Germany's advanced technology and management mode. In the meanwhile, SRH Aufzüge GmbH provides a control system, traction machine, door operator, and other core components for Sicher Elevator Co., Ltd., jointly R&D and manufacturing elevator, escalators with German industrial quality. SRH Aufzüge GmbH adheres to safety as its core brand value and is committed to being the safest elevator manufacturer and service provider, supplying original SRH brand elevators made in Germany to customers worldwide.



Product series

It provides global transport with all-around solution plans.

Sicher Elevator Co., Ltd. provides a series products of high-speed elevators, small machine room/machine roomless passenger elevators, observation elevators, home elevators, bed elevators, fireman elevators, freight elevators, car elevators, escalators, moving walk, and three-dimensional parking system, which provide vertical traffic solution for all kinds of buildings in the world, such as public building, commercial building, residential building, industrial building and so on.

Product	Type	Load Range (Kg)	Speed Range (m/s)
Passenger Elevator	GRPS20	100~2000	1.0/1.75/2.0/2.5/3.0/3.5/4.0
	GRPS30	630~1600	1.0/1.75/2.0
	GRPS50	630~1050	1.0/1.75/2.0
	GRPS70	1000~1600	4.5/5.0/5.5/6.0/6.5/7.0/8.0
	GRPN20	400~1600	1.0/1.6/1.75/2.0
	GRPS20F	800~1600	1.0/1.75/2.0/2.5
Bed Elevator	GRBS	1000~2000	1.0/1.75/2.0/2.5
Observation Elevator	GROS	630~1600	1.0/1.75/2.0/2.5
Home Elevator	GRV20	250~400	0.22/0.28/0.3/0.4
Car Elevator	GRA10	3000~5000	0.25/0.5
Freight Elevator (Traction)	GRF	1000~5000	0.25/0.5/1.0
Freight Elevator (Hydraulic)	GRFH10	1000~5000	0.25/0.5

Product	Type	Inclination	Step (pallet) Width	Rise/Span
Escalator (Commercial)	GRPS20	27.3°	600/800/1000	H≤7.5m
		30°	600/800/1000	H≤7.5m
		35°	600/800/1000	H≤6m
	GRPS70	27.3 °	600/800/1000	H≤16m
		30°	600/800/1000	H≤16m
Escalator (Public Traffic)	GRE50	27.3°	600/800/1000	H≤30m
		30°	600/800/1000	H≤30m
Moving walk	GRM20	10°/11°/12°	800/1000	H≤8m
	GRM15	0°-6°	800/1000	L ≤150m

GRPS20 small machine room passenger elevator

GRPS20 small machine room passenger elevator, a fusion of Germany's strict manufacturing technology and the industry of advanced technology, optimize the design of space, mechanical components of smart compact, effectively reduce the top space, save the cost of construction: also has energy-saving environmental protection, safe and stable, comfortable experience and other advantages, for all types of modern buildings provide reliable solutions.



GRPN20 machine roomless passenger elevator

We know very well about the consumption reduction and energy-saving, environmental protection ideas for GRPN20 machine roomless passenger elevator. With great improvement on design freedom of motion & full expression of green humanities, we endeavor to save the building area, enhance the freedom in design, and fully display a green and human concept Compared with the same loading level geared elevator, it can save more electricity and building area GRPN20 machine roomless passenger elevator breaks through the premise that every elevator needs to have a machine room. It offers an inventive possibility for the limited space in the modern constructions.

GRPS30 small machine room passenger elevator

Compared with Sicer last generation machine room elevators, GRPS30 series of small machine room passenger elevators have a more compact construction layout, only taking up about 25% of room area of the traditional machine room, the hoistway section is further narrowed by about 20%, the top height has a decrease of 300-500mm, the pit depth decreases 100-300mm. Exchange for spacious riding space with appropriate building area.



GRPS50 small machine room passenger elevator

GRPS50 small machine room passenger elevator adopts the original core components from SRH AufzCige GmbH, which blends safety, energy-saving, quiet, and other advanced technologies. The functional configuration is upgraded to a new level, providing a better transportation quality. This product is suitable for public facilities projects, such as high-end office buildings, apartments, hotels and airports, and so on.



GRPS70 high-speed elevator

With the quantity and height increase of modern city high-rise buildings, people have high requirements for the efficiency and innovation of building vertical transportation. Sicer GRPS70 series high-speed elevator has been created at the right time, which breaks through a number of problems of high speed elevator, creates efficiency and convenience vertical transportation solution for high-rise building through optimizing the drive system, intelligent function, selecting the excellent materials and innovative design, to provide more advantages and value for various landmark buildings.

GRPS20F Fireman Elevator

Sicer Elevator has a high sense of mission to protect the safety of passengers, who actively develops in the field of fireman elevator firstly to building the perfect function fireman elevator in the real sense. At present, Sicer Elevator walks at the forefront in the elevator industry due to its mature research, development, and installation technology to manufacture the fireman elevator.



GPO Observation Elevator

We introduce a full set of German control technology and apply modern materials and the latest processing craft & technique to produce GRO serial observation elevator products. This kind of products have the most perfect performance in lots of aspects such as the travel quality, safety functions, car model design, energy-saving and consumption reduction etc.



RJ100 (Standard)
Car cover: Baked enamel steel plus color decoration patterns
Observation Wall: Laminated Safety Glass
Decoration Roof: Round acrylic lamp in the middle, downlights in the sides
Car wall: Hairline Stainless Steel
Handrail: Stainless steel tube
Floor: PVC



RJ101 (Standard)
Car cover: Baked enamel with acrylic lighting decoration
Observation wall: Laminated Safety Glass
Decoration Roof: Hairline stainless steel frame, acrylic light-emitting panel, downlights
Car wall: Hairline stainless steel
Handrail: Stainless steel tube
Floor: PVC



RJ 103 (Optional)
Car cover: Baked enamel steel with lighting decoration
Observation wall: Laminated safety glass
Decoration roof: Mirror St./St with acrylic plate
Car wall: Laminated glass
Handrail: Stainless steel tube
Floor: PVC



RJ102 (Optional)
Car cover: Write acrylic decoration hood
Observation wall: Laminated safety glass (three pieces)
Decoration roof: Baked enamel steel frame and blue acrylic lighting strip
Car wall: Hairline stainless steel
Handrail: Stainless steel tube
Floor: PVC



RJ 105 (Standard)
Car cover: Baked enamel steel frame, acrylic lighting decoration
Observation wall: Laminated Safety Glass
Decoration roof: Steel plate baked enamel frame, acrylic roof lamp with downlights
Car wall: Hairless Stainless Steel
Handrail: Stainless Steel Tube
Floor: PVC



RJ107 (Optional)
Car cover: Baked enamel and lighting decoration
Observation wall: Laminated Safety Glass
Decoration roof: Baked enamel steel, acrylic Lighting decoration
Car wall: Polychrome st. /st
Handrail: Stainless steel tube
Floor: PVC



RJ108 (Optional)
Car cover: Baked enamel steel, acrylic lighting decoration
Observation wall: Laminated safety glass
Decoration roof: Baked enamel steel frame, acrylic arch top plate with downlights
Car wall: Hairline stainless steel
Handrail: Stainless steel, single tube fixed on floor
Floor: PVC



RJ109 (Optional)
Car cover: Baked enamel steel, acrylic and LED downlights
Observation wall: Laminated safety glass
Decoration roof: Hairline st./st. with acrylic Plate
Car wall: Hairline stainless steel
Handrail: Stainless steel tube
Floor: PVC

GRV Home Elevator

Sicher GRV home elevator which is designed for private residences is committed to creating a comfortable private space for family and enhancing the quality of the life. It combines quiet and comfortable, is safe and reliable, protects the environment and saves energy, is customized and easy installation, and some other advantages, which give more value to private residences.



RHX01 (optional)
Car wall: Hairline stainless steel plate, mirror etching
Ceiling: RHT10 Mirror stainless steel plate, acrylic light, downlight illumination
Floor: RHD06 (PVC)



RHX02 (Optional)
Rear wall: Stainless steel + lower glass (frosted glass) + upper glass (frosted glass)
Side wall: Stainless steel + lower glass (frosted glass) + upper glass (specular glass)
Front wall: Hairline stainless steel
Car door: Hairline stainless steel
Ceiling: RHT04 Mirror stainless steel frame, downlight illumination on both sides
Handrail: Hairline stainless steel (RFO01), single on rear wall
Floor: RHD05 (PVC)



RHX03 (Optional)
Rear wall: Bronze mirror stainless steel on two sides, bronze mirror etched stainless steel in the middle, marble escutcheon
Side wall: Bronze mirror stainless steel on two sides, wood trim in the middle, hairline trim, marble escutcheon
Front wall: Bronze mirror stainless steel
Car door: Stainless steel coated with bronze
Lintel beam: Stainless steel coated with bronze
Ceiling: RHT07 Titanium stainless steel frame, transparent acrylic board in the middle, downlights on two sides, ring light in the middle
Handrail: Solid wood (RF009), single on rear wall
Floor: RHD13 (PVC)



RHX04 (Optional)
Rear wall: Etched mirror stainless steel coated with bronze, 10mm Mirror decoration strip, etched mirror stainless steel coated with black
Side wall: Etched mirror stainless steel coated with bronze, 10mm mirror decoration strip
Front wall: Mirror stainless steel coated with black
Car door: Mirror stainless steel
Transom: Mirror stainless steel coated with black
Ceiling: RHT08 Mirror stainless steel coated with black, yellow acrylic transparent board
Handrail: Solid wood (RF009), single on rear wall
Floor: RHD14 (PVC)



RHX05 (Optional)
Rear wall: Sand blasting stainless steel coated with bronze, etched stainless steel
Side wall: Sand blasting stainless steel coated with bronze, mirror stainless steel
Front wall: Sand blasting stainless steel coated with bronze
Car door: Sand blasting stainless steel coated with bronze
Transom: Mirror stainless steel coated with black
Ceiling: RI-ITO6 stainless steel coated with bronze, downlight (LED)
Handrail: RF008 (stainless steel coated with bronze) single on rear wall
Floor: RHD12 (PVC)



RHX06 (Standard)
Car wall: Hairline stainless steel plate
Ceiling: RHT04 Mirror stainless steel frame, downlight illumination on both sides
Floor: RHD01 (PVC)

Home elevator landing door series



RHX08 (Optional)



RHX09 (Optional)



RHX10 (Optional)



RHX11 (Optional)

Three-dimensional parking system

An effective solution plan to solve the difficult parking in modern cities

Following the progressive increase of private cars each year, apart from crowded modern traffic, it has the problem of difficult parking. Sicher Elevator puts out a series of mechanical parking systems to solve the problem according to the market requirements. It fulfills more and more utilization values of city space. It relieves difficult parking to the greatest extent.

GRB bed elevator

Based on the full consideration of the special requirements of the medical institution, the GRB series bed elevator realizes the convenience of transporting hospital beds, medical workers, and some other medical equipment with an optimized car structure. Its precise running speed control makes patients and workers feel comfortable and stable; It is also fully considered every detail about the hall call box, handrail, etc., to show humanistic care.



GRE escalator GRM moving walk

The well—developed escalator and moving walk technology, advanced micro-computer control system, high strength truss structure, classical driving system, and completed safety devices, GRE GRM of escalators and moving walks fully ensure our products are safe, reliable, enduring, and brings steady and comfortable riding. Complying with national standard GB16899 and European standard EN115, the escalator and moving walk are applicable for heavy-passenger—flow locations such as markets, supermarkets, hotels, subways, airports, train stations, crossroads, and public buildings.

GRE50 Publictransport type escalator

Sicher GRE50 public transport escalator is customized specially for public transport with a maximum lifting height of 30 meters. With excellent quality, powerful performance, and advanced security assurance in one, it is able to fully meet stringent carrier requirements in light of height, time, and passenger flow, applicable to public transportation areas such as subways, railway stations, airports, and others.





GRF freightlevator

GRF series freight elevators, employing the fully PC controlling technology, AC variable frequency, and variable voltage VVVF, not only the outstanding performance in energy saving and precision of leveling and highly effective load capacity but also take the user's requirements into full consideration when designing. As a result, the performance/price ratio of these elevators is high and the elevators can be used in vertical transportation occasions such as factories, transportation centers, warehouses, and vehicles, vertical transportation.

GRFN machine roomless freight elevator

Machine room-less freight elevator adopts the advanced permanent-magnet synchronous gearless traction technology. Therefore, it is not necessary to use the decelerating device, which improves the arrangement inside the hoistway. The gearless machine is featured in lightweight and small in size, which saves space for construction, greatly improves the performance and quality of the machine room-less freight elevator, and reduces the fault rate.

GRFHserialhydraulicfreightlevator

GRFH serial hydraulic freight elevator is of consummate technology and superb skill. It is suitable for hydraulic elevators with different capacities. It has advantageous start, break, and leveling results. It can automatically produce a good travel curve and travel comfort.



GRA carelevator

GRA car elevator utilizes new data processing network. The landings and cabin of the GRA10 car elevator are allocated with a computer control system (CPU). They have been connected through serial transmission lines. It reduces the connecting lines between various parts and results in more efficient and precise system control. The diagnosis program and backup system amid various computers ensure the high reliability of the connection of the parts.

Each computer especially sets the software with reasoning ability. It enriches and perfects the man (car) — elevator interface. We utilize the advanced and large-scale programmable gate array in the car elevators. We fulfill the monolithic integration of the system and effectively enhance the anti-interference of the system with more simple operation and a more sensitive reaction.



GRAH hydraulic car elevator

GRAH serial hydraulic car elevators use an Italian GMV hydraulic system with a combination of mature and reliable PC control technology. Apart from all the safety protection devices of traction-type elevators, we additionally add multiple hydraulic circuit protection systems such as safety valves, speed limit disconnecting valves, etc. to ensure the standard of travel quality and security.

Car decoration



RJ013

Scan the QR code to know more about the lift car in a 360-degrees manner



RJ0116 (Standard)

Car wall: Painted steel (RS004)
Car door: Painted steel (RS004)
Ceiling: Painted steel, acrylic lighting decoration, down light (RD042)
Floor: PVC (RPV010)
Operation panel: RC004



RJ018

Scan the QR code to know more about the lift car in a 360-degrees manner



RJ018 (Optional)

Rear wall: Etched mirror stainless steel coated with bronze, 10mm Mirror decoration strip, etched mirror stainless steel coated with black
Side wall: Etched mirror stainless steel coated with bronze, 10mm mirror decoration strip
Front wall: Mirror stainless steel coated with black
Car door: Mirror stainless steel
Transom: Mirror stainless steel coated with black
Ceiling: RHT08 Mirror stainless steel coated with black, yellow acrylic transparent board
Handrail: Solid wood (RF009), single on rear wall
Floor: RHD14 (PVC)

Car decoration



RJ031

Scan the QR code to know more about the lift car in a 360-degrees manner



RJ031 (optional)

Rear wall: A combination of mirror stainless steel and mirror etched stainless steel
Side wall: A combination of mirror stainless steel and mirror etched stainless steel
Ceiling: Mirror stainless steel frame, crystal column in the middle and down light illumination on both sides (RD018)
Floor: PVC (RPV008)
Operation panel: RC009



RJ033

Scan the QR code to know more about the lift car in a 360-degrees manner



RJ033 (Optional)

Rear wall: A combination of marble and mirror stainless steel
Side wall: A combination of marble and mirror stainless steel
Ceiling: Painted steel frame, acrylic translucent panels in the middle, down light illumination on both sides (RD016)
Handrail: Titanium on both sides and mirror stainless steel tube
Floor: PVC (RPV011)
Operation panel: RC009



RJ035

Scan the QR code to know more about the lift car in a 360-degrees manner



RJ035 (optional)

Rear wall: A combination of mirror stainless steel and wood-grain car wall
Side wall: A combination of mirror stainless steel and wood-grain car wall
Ceiling: Mirror stainless steel frame, translucent panels in the middle and down light illumination on both sides
Handrail: Combination of mirror stainless steel and wooden double tubes
Floor: PVC (RPV012)
Operation panel: RC009



RJ034

Scan the QR code to know more about the lift car in a 360-degrees manner



RJ034 (Optional)

Rear wall: A combination of titanium gold stainless steel and titanium gold mirror etched stainless steel
Sidewall: A combination of titanium-gold mirror stainless steel and mirror stainless steel
Ceiling: Titanium gold mirror stainless steel frame, a combination of middle lamp belt lighting and titanium mirror etched stainless steel, down light illumination at two sides
Handrail: Titanium gold stainless steel round tube (RF003)
Floor: PVC (RPV034)
Operation panel: RC009

Human-machine interface

RC004 (Standard)

Panel material: Hairline stainless steel
Display screen: Dot matrix display screen
floor

Button: Round micro-stroke button
Parking number: 2 ~ 36 parking



• Button



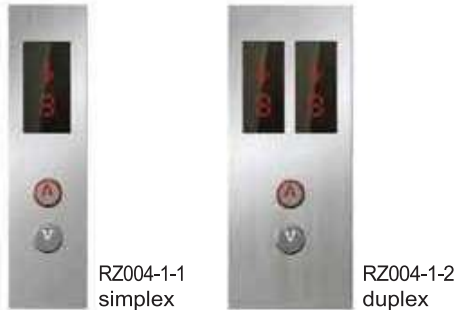
• Panel



• Hall call box (no bottom box) (Standard)



• Hall call box



RC004



Human-machine interface

RC009 (Standard)

Panel material: Hairline stainless steel
Display screen: Dot matrix display screen
floor

Button: Round micro-stroke button
Parking number: 2 ~ 48 parking



• Button



• Panel



• Hall call box (no bottom box) (Standard)



• Hall call box



RZ009
Integrated operation



Human-machine interface

RC011 (Optional)

Panel material: Fingerprint resistant stainless steel
Display screen: Dot matrix display screen
floor

Button: Round micro-stroke button
Parking number: 2 ~ 36 parking



• Button



• Button



• Hall call box (Standard)



• Hall call box (no bottom box) (Optional)



• Panel



Fingerprint Resistant stainless steel (Optional)

RZ011



Human-machine interface

RC012 (Optional)

Panel material: Hairline stainless steel
Display screen: Picture type display screen
floor

Button: Round micro-stroke button
Parking number: 2 ~ 12 parking



• Button



• Panel



Mirror stainless steel (Optional)



Titanium gold mirror stainless steel (Optional)

• Hall call box (no bottom box) (Standard)



• Hall call box



RZ012



Human-machine interface



RC001-1
Operation panel for disabled (optional)



RC001-2
Wall-mounted operation panel for disabled (Optional)



RC001-3
Operation panel for disabled (Optional)

Hall transom indicator



RZ004-1-7



RZ004-1-7A

Landing direction indicator



RZ-1-5A



RZ-1-5B



RZ-1-5C



RZ-1-5D

Handrail



RF001



RF002



RF003



RF004



RF005



RF007

Classical decoration

Ceiling



RD006 (Optional)
Hairline stainless steel frame, translucent panels in the middle, and downlight illumination on both sides.



RD011 (Optional)
RD011 (Optional) Mirror stainless steel frame, translucent acrylic panel, middle down light



RD014 (Optional)
Mirror stainless steel frame, LED crystal



RD015 (Optional)
Mirror stainless steel frame, acrylic translucent panels in the middle and down light illumination on both sides.



RD017 (Optional)
Painted steel frame, crystal



RD018 (Optional)
Mirror stainless steel frame, crystal column in the middle and down light illumination on both sides.



RD045 (Optional)
Hairline stainless steel, LED square lamp. down

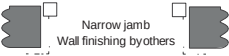


Hairline stainless steel, down light.
Hairline stainless steel, down light.

 Landing door

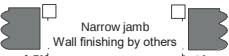
RT011 (Standard)

Landing Door	Hairline stainless steel
Jamb	Hairline stainless steel (narrow type)



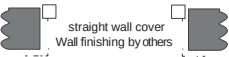
RT012 (Standard)

Landing Door	Painted steel plate (RS004)
Jamb	Painted steel plate (RS004) (narrow type)



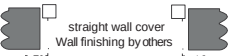
RT101 (Optional)

Landing Door	Hairline stainless steel on two ends + safety glass
Jamb	Hairline stainless steel (straight wall cover)



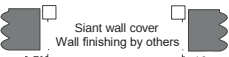
RT014 (Optional)

Landing Door	Etched stainless steel
Jamb	Hairline stainless steel (straight wall cover)



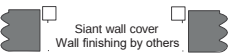
RT015 (Optional)

Landing Door	Etched stainless steel
Jamb	Hairline stainless steel (siant wall cover)



RT016 (Optional)

Landing Door	Mirror Ti-gold etched St.St
Jamb	Mirror Ti-gold etched St.St (siant wall cover)



RT011



RT012



RT101



RT014



RT015



RT016

 Floor



RPV002



RPV004



RPV008



RPV010



RPV011



RPV012



RPV013



RPV014



RPV015



RPV016

 Color



RS004



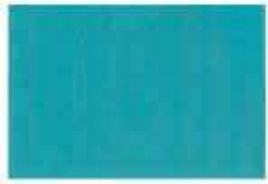
RS001



RS003



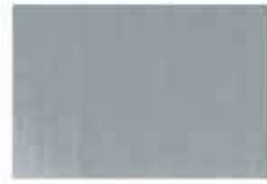
RS002



RS006



RS005

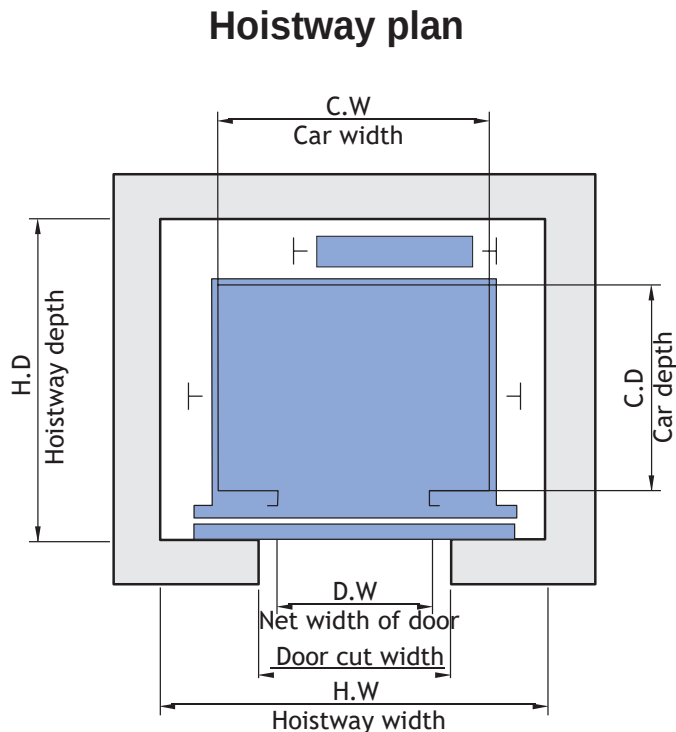
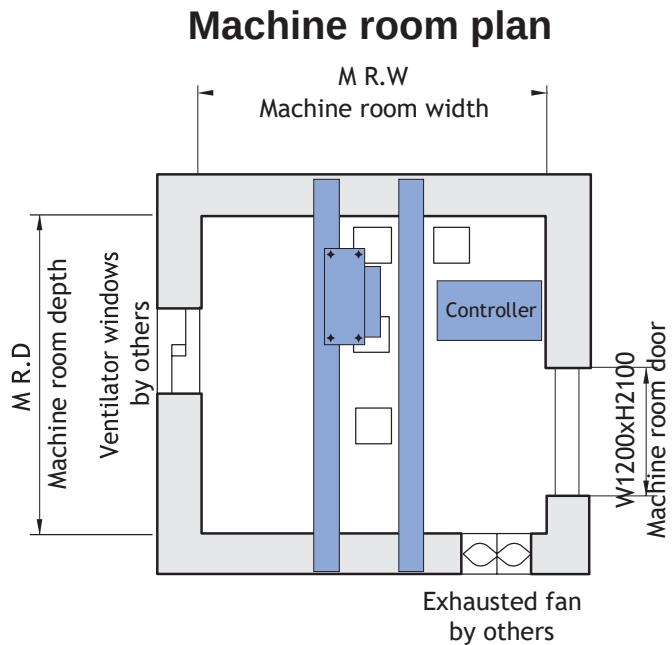


RS007

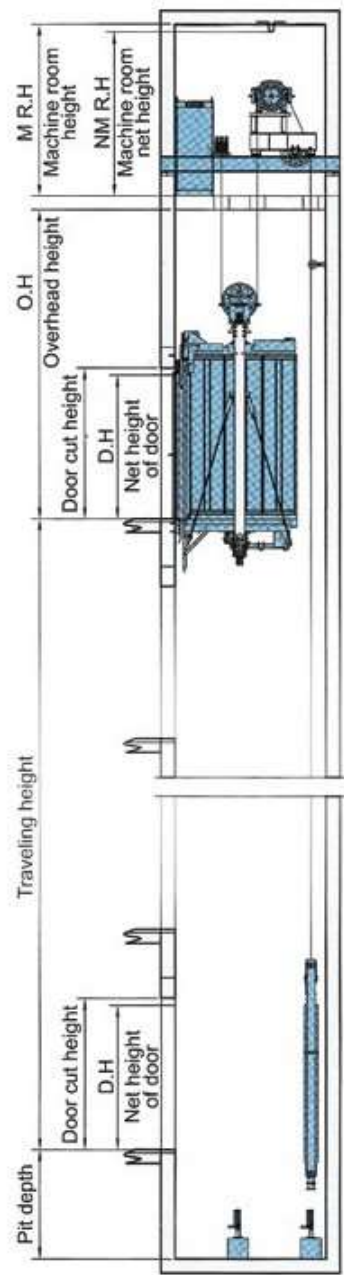


RS008

GRPS20 Small machine room elevator construction sketch



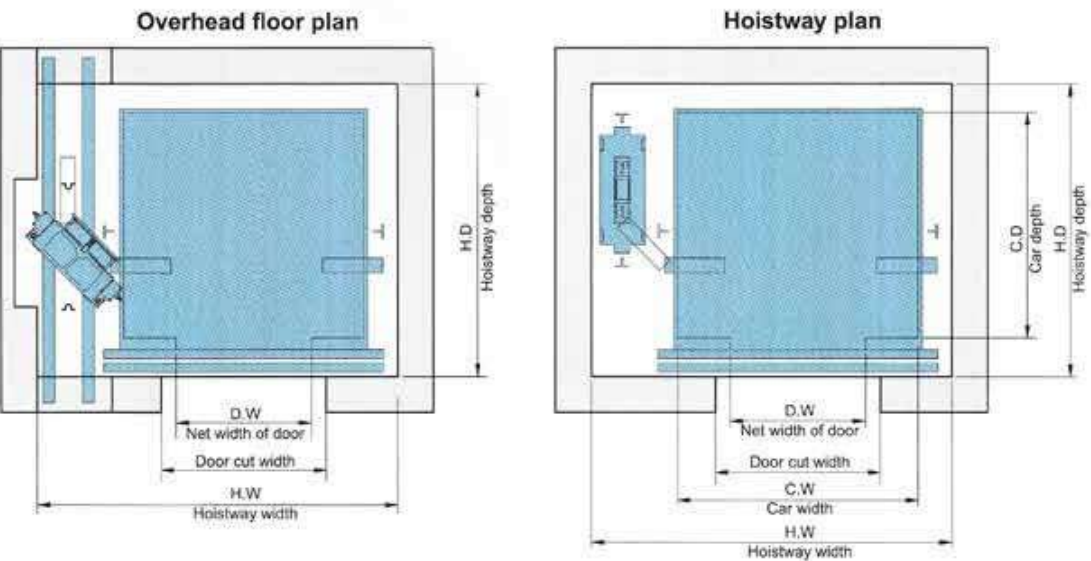
Hoistway elevation



GRPS20 Small machine room elevator specifications

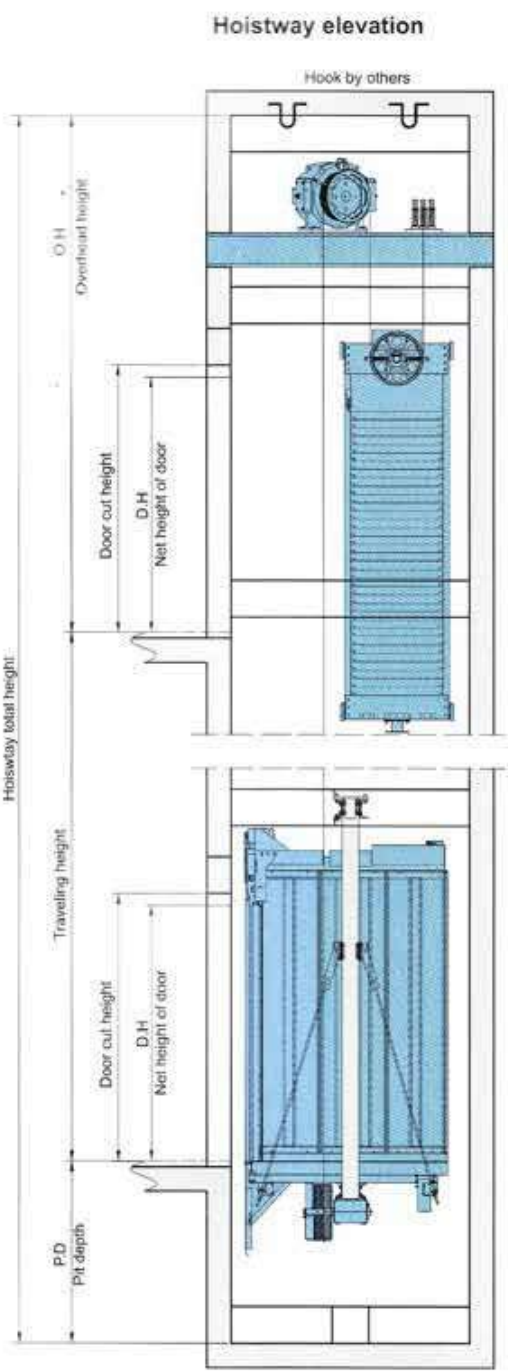
Persons	Rated capacity (kg)	Rated speed (m/s)	Net size of car (mm)	Net size of Door D.W x D.H (mm)	Hoistway size (mm)			Machine room size (mm)		Max traveling height (m)					
			C.W x C.D	2P Central opening	H.W x H.D	O.H	P.D	MR.W x MR.D	MR.H						
8	630	1.0	1400 x 1100	800 x 2100	2000 x 1750	4100	1350	2000 x 1750	2300	45					
		1.75				4300	1500			95					
10	800	1.0	1400 x 1350	800 x 2100	2000 x 2000	4100	1350	2000 x 2000	2300	45					
		1.75				4300	1500			95					
		2.0				4400	1600			120					
		2.5				4700	1700			150					
		4.0				5800	3200			180					
13	1000	1.0	1600 x 1500	900 x 2100	2000 x 2150	4100	1350	2200 x 2150	2300	45					
		1.75				4300	1500			95					
		2.0				4400	1600			120					
		2.5				4700	1700			150					
		3.0				5000	2200		2700	150					
		3.5				5400	2700			180					
		4.0				5800	3200			180					
		1.0				1100x2100	2100x2500			2100x2500	2100x2500	2300	45		
		1.75	4300		1500			95							
		2.0	4400		1600			120							
		2.5	4700		1700			150							
		3.0	5000		2200			2700	150						
		3.5	5400		2700				180						
		4.0	5800		3200				180						
		1.0	1700 x 1500		1000 x 2100				2300 x 2150				2300 x 2150	2300	45
		1.75						4300				1500			95
		2.0						4400				1600			120
		2.5						4700				1700			150
		3.0						5000				2200		2700	150
		3.5				5400	2700	180							
4.0	5800	3200				180									
1.0	1950 x 1400	1100 x 2100				2600 x 2050	2600 x 2050	2300		45					
1.75			4300		1500				95						
2.0			4400		1600				120						
2.5			4700		1700				150						
3.0			5000		2200			2700	150						
3.5			5400		2700				180						
4.0			5800		3200				180						
1.0			1950 x 1550	1100 x 2100	2600 x 2200				2600 x 2200	2300	45				
1.75	4300	1500				95									
2.0	4400	1600				120									
2.5	4700	1700				150									
3.0	5000	2200				2700	150								
3.5	5400	2700					180								
4.0	5800	3200					180								
1.0	1950 x 1750	1100 x 2100					2600 x 2400	2600 x 2400		2300	45				
1.75			4300	1500	95										
2.0			4400	1600	120										
2.5			4700	1700	150										
3.0			5000	2200	2700	150									
3.5			5400	2700		180									
4.0			5800	3200		180									
1.0			2100 x 1950	1200 x 2100		2800 x 2600			2800 x 2600	2300	45				
1.75	4300	1500			95										
2.0	4400	1600			120										
2.5	4700	1700			150										
3.0	5000	2200			2700		150								
3.5	5400	2700					180								
4.0	5800	3200					180								

GRPS20 Small roomlesselevator construction sketch

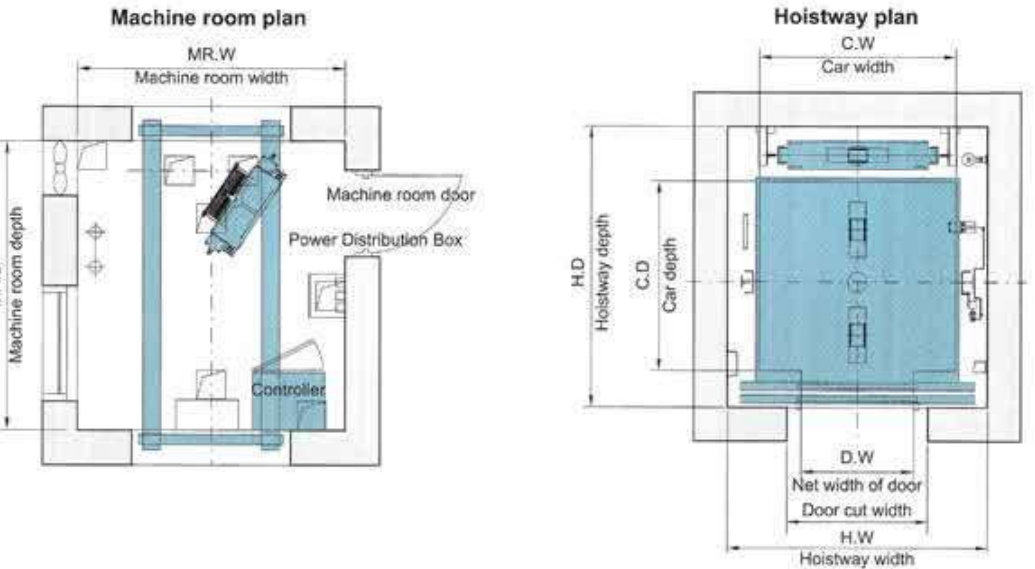


GRPN20 machine roomless elevator specifications

Persons	Rated capacity (kg)	Rated speed (m/s)	Net size of car (mm)	Net size of Door D.W x D.H (mm)	Hoistway size (mm)			Max traveling height (m)
			C.W x C.D	2P Central opening	H.W x H.D	O.H	P.D	
8	630	1.0	1400 x 1100	800 x 2100	2000 x 1700	4000	1600	45
		1.75				4100		60
10	800	1.0	1400 x 1350	800 x 2100	2200 x 1850	4000	1600	45
		1.75				4100		60
		2.0				4200		75
13	1000	1.0	1600 x 1500	900 x 2100	2400 x 1950	4000	1600	45
		1.75				4100		60
		2.0				4200		75
		2.0				4200		75
16	1250	1.0	1950 x 1400	1100 x 2100	2950 x 1850	4000	1600	45
		1.75				4100		60
		2.0				4200		75
18	1350	1.0	1950 x 1550	1100 x 2100	2950 x 2000	4000	1600	45
		1.75				4100		60
		2.0				4200		75
21	1600	1.0	1950 x 1750	1100 x 2100	2950 x 2200	4000	1600	45
		1.75				4100		60
		2.0				4200		75

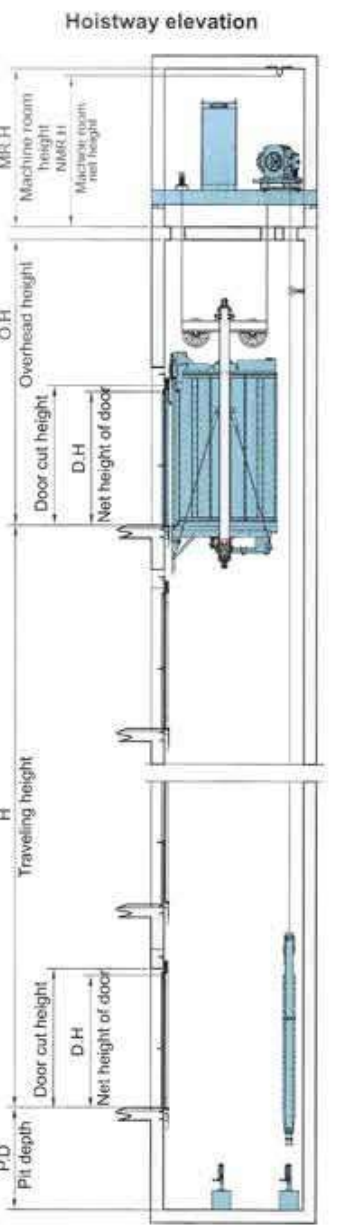


GRPS30 rear counterweight construction sketch

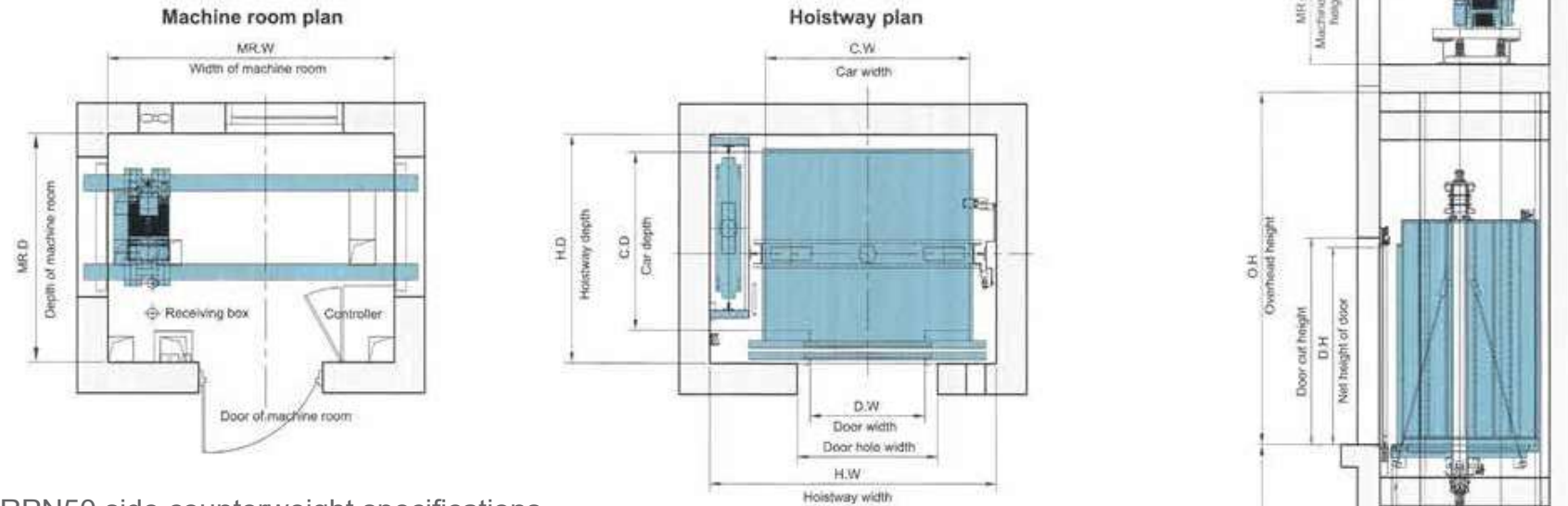


GRPN30 rear counterweight specifications

Persons	Rated capacity (kg)	Rated speed (m/s)	Net size of car (mm)	Netsize of Door (mm) D.W x D.H	Hoistway size (mm)			Machine room size (mm)	
			C.W x C.D	2P Central opening	H.W x H.D	O.H	P.D	MR.W x MR.D	MR. H
8	630	1.0	1400 x 1100	800 x 2100	1850 x 1750	4000	1350	1850 x 1750	2300
		1.75				4100	1450		
		2.0				4200	1500		
10	800	1.0	1400 x 1350	800 x 2100	1850 x 2000	4000	1350	1850 x 2000	2300
		1.75				4100	1450		
		2.0				4200	1500		
13	1000	1.0	1600 x 1400	900 x 2100	2050 x 2050	4000	1350	2050 x 2050	2300
		1.75				4100	1450		
		2.0				4200	1500		
		1.0	*1100 x 2100		*2100 x 2500	*4100	*1350	*2100 x 2500	
		1.75				*4300	*1500		
		2.0				*4400	*1600		
		1.0				4000	1350		
14	1050	1.75	1600 x 1500	900 x 2100	2050 x 2150	4100	1450	2050 x 2150	2300
		2.0				4200	1500		
		1.0				4200	1350		
18	1350	1.75	1950 x 1550	1100 x 2100	2500 x 2200	4400	1500	2500 x 2200	2500
		2.0				4500	1600		
		1.0				4200	1350		
21	1600	1.75	1950 x 1750	1100 x 2100	2500 x 2400	4400	1500	2500 x 2400	2500
		2.0				4500	1600		
		1.0				4200	1350		



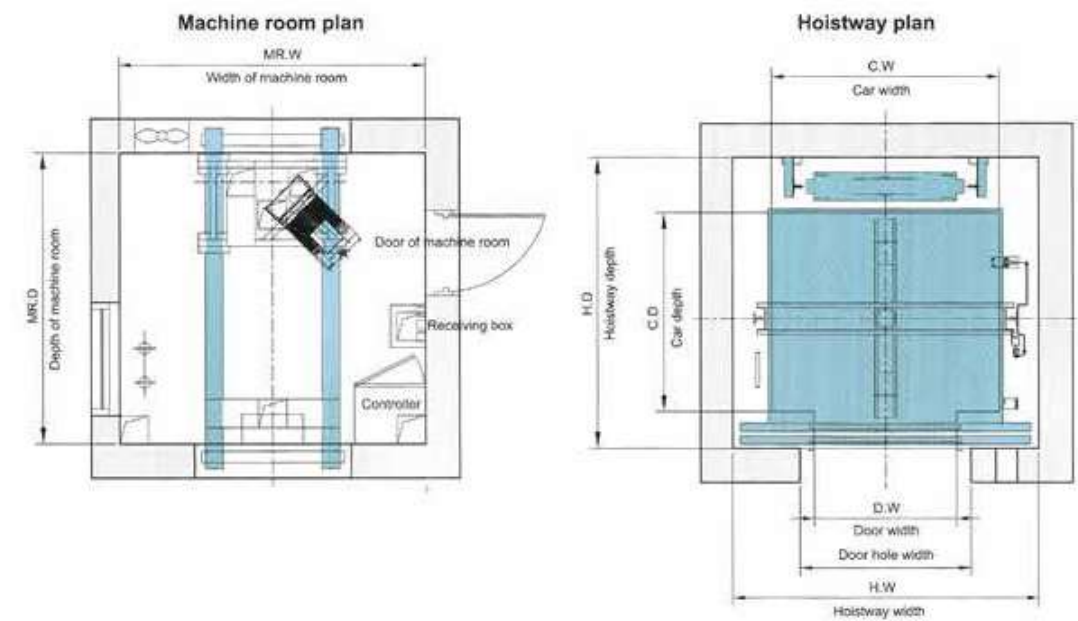
GRPS50 side counterweight construction sketch



GRPN50 side counterweight specifications

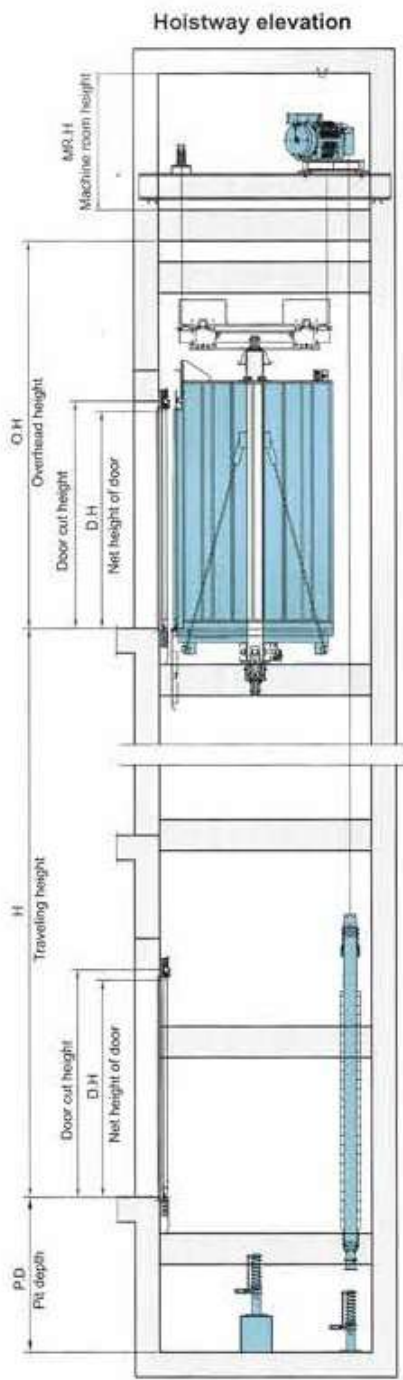
Persons	Rated capacity (kg)	Rated speed (m/s)	Net size of car (mm)	Net size of Door D.W x D.H (mm)	Hoistway size (mm)			Machine room size (mm)	
			C.W x C.D	2P Central opening	H.W x H.D	O.H	P.D	MR.W x MR.D	MR. H
8	630	1.0	1100 x 1400	800 x 2100	1800 x 1800	3800	1600	1800 x 1800	2300
		1.5				3900	1450		
		1.6				4000	1500		
		1.75				3800	1350		
		2.0				3900	1450		
10	800	1.0	1350 x 1400	800 x 2100	2000 x 1800	4000	1500	2000 x 1800	2300
		1.5				3800	1350		
		1.6				3900	1450		
		1.75				4000	1500		
		2.0				3800	1350		
13	1000	1.0	1600 x 1400	900 x 2100	2250 x 1800	3900	1450	2250 x 1800	2300
		1.5				4000	1500		
		1.6				3800	1350		
		1.75				3900	1450		
		2.0				4000	1500		
14	1050	1.0	1600 x 1500	900 x 2100	2250 x 1900	3800	1350	2250 x 1900	2300
		1.5				3900	1450		
		1.6				4000	1500		
		1.75				3800	1350		
		2.0				3900	1450		
13	1000	1.0	*1000 x 2100	900 x 2100	*2000 x 2500	4000	1500	*2000 x 2500	2300
		1.5				3800	1350		
		1.6				3900	1450		
		1.75				4000	1500		
		2.0				3800	1350		

GRPS50 rear counterweight construction sketch

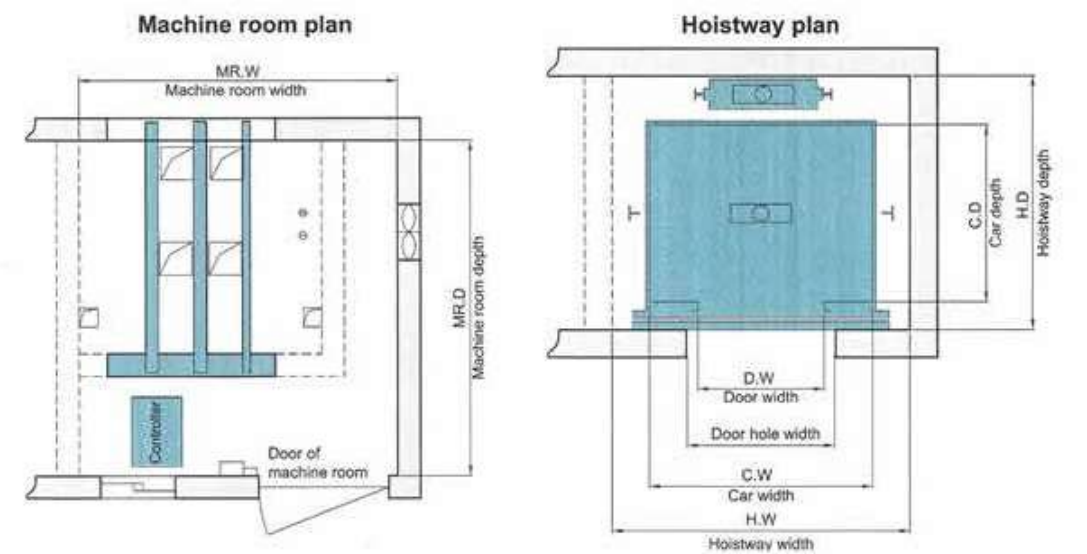


GRPS50 rear counterweight specifications

Persons	Rated capacity (kg)	Rated speed (m/s)	Net size of car (mm)	Net size of Door D.W x D.H (mm)	Hoistway size (mm)			Machine room size (mm)	
			C.W x C.D	2P Central opening	H.W x H.D	O.H	P.D	MR.W x MR.D	MR. H
8	630	1.0	1400 x 1100	800 x 2100	1850 x 1750	3800	1600	1850x1750	2300
		1.5				3900	1450		
		1.6				4000	1500		
		1.75				3800	1350		
		2.0				3900	1450		
10	800	1.0	1400 x 1350	800 x 2100	1850x2000	3800	1350	1850x2000	2300
		1.5				3900	1450		
		1.6				4000	1500		
		1.75				3800	1350		
		2.0				3900	1450		
13	1000	1.0	1600 x 1400	900 x 2100	2050x2050	3800	1350	2050x2150	2300
		1.5				3900	1450		
		1.6				4000	1500		
		1.75				3800	1350		
		2.0				3900	1450		
14	1050	1.0	1600 x 1500	900 x 2100	2050x2150	3800	1350	2050x2150	2300
		1.5				3900	1450		
		1.6				4000	1500		
		1.75				3800	1350		
		2.0				3900	1450		



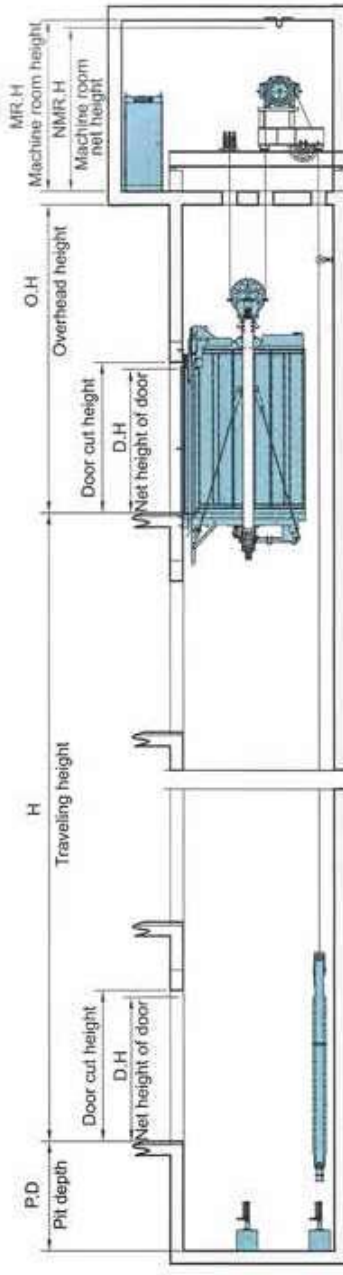
GRPS70 high speed elevator construction sketch



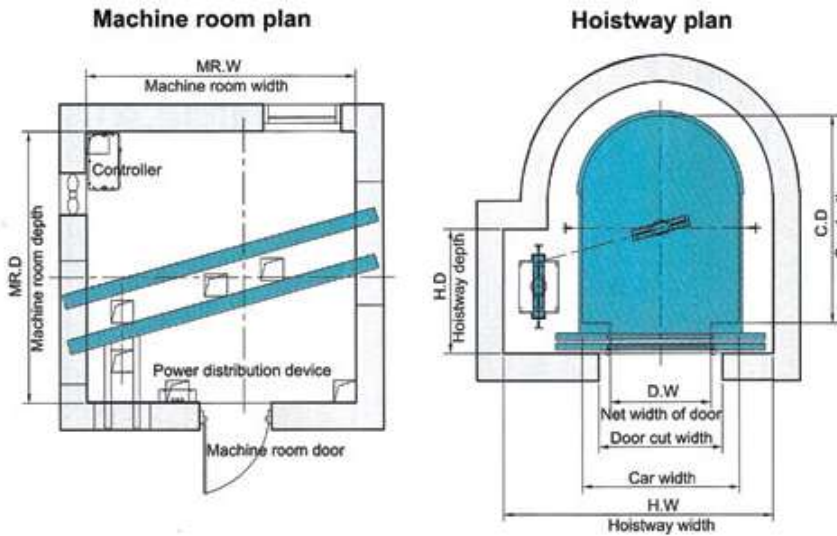
GRPS70 high speed elevator specifications

Persons	Rated capacity (kg)	Rated speed (m/s)	Net size of car (mm)	Net size of Door D.W x D.H (mm)	Hoistway size (mm)			Max traveling height (m)
			C.W x C.D	2P Central opening	H.W x H.D	O.H	P.D	
13	1000	4.5	1600x1500x2350	900x2200	2400 x 2300	5800	3600	220
		5.0				5900	3900	245
		5.5				6000	4200	270
		6.0				6100	4500	290
		6.5				6200	4800	320
		7.0				6300	5100	350
15	1150	4.5	1700x1500x2350	1000x2200	2500x2300	5800	3600	220
		5.0				5900	3900	245
		5.5				6000	4200	270
		6.0				6100	4500	290
		6.5				6200	4800	320
		7.0				6300	5100	350
16	1250	4.5	1950x1550x2350	1100x2200	2750x2350	5800	3600	220
		5.0				5900	3900	245
		5.5				6000	4200	270
		6.0				6100	4500	290
		6.5				6200	4800	320
		7.0				6300	5100	350
18	1350	4.5	1950x1550x2350	1100x2000	2750x2350	5800	3600	220
		5.0				5900	3900	245
		5.5				6000	4200	270
		6.0				6100	4500	290
		6.5				6200	4800	320
		7.0				6300	5100	350
21	1600	8.0	1950x1750x2350	1100x2200	2750x2550	7000	5600	400
		4.5				5800	3600	220
		5.0				5900	3900	245
		5.5				6000	4200	270
		6.0				6100	4500	290
		6.5				6200	4800	320

Hoistway elevation



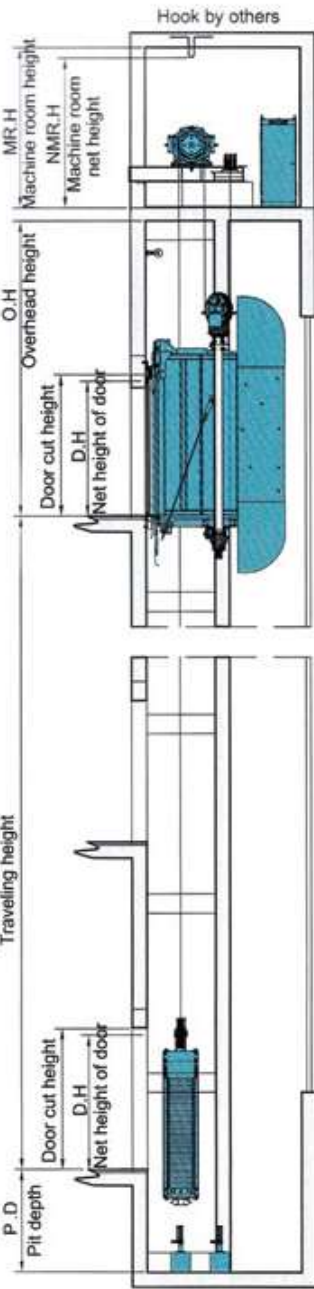
GROS observation elevator construction sketch



GROS obervation elevator specifications

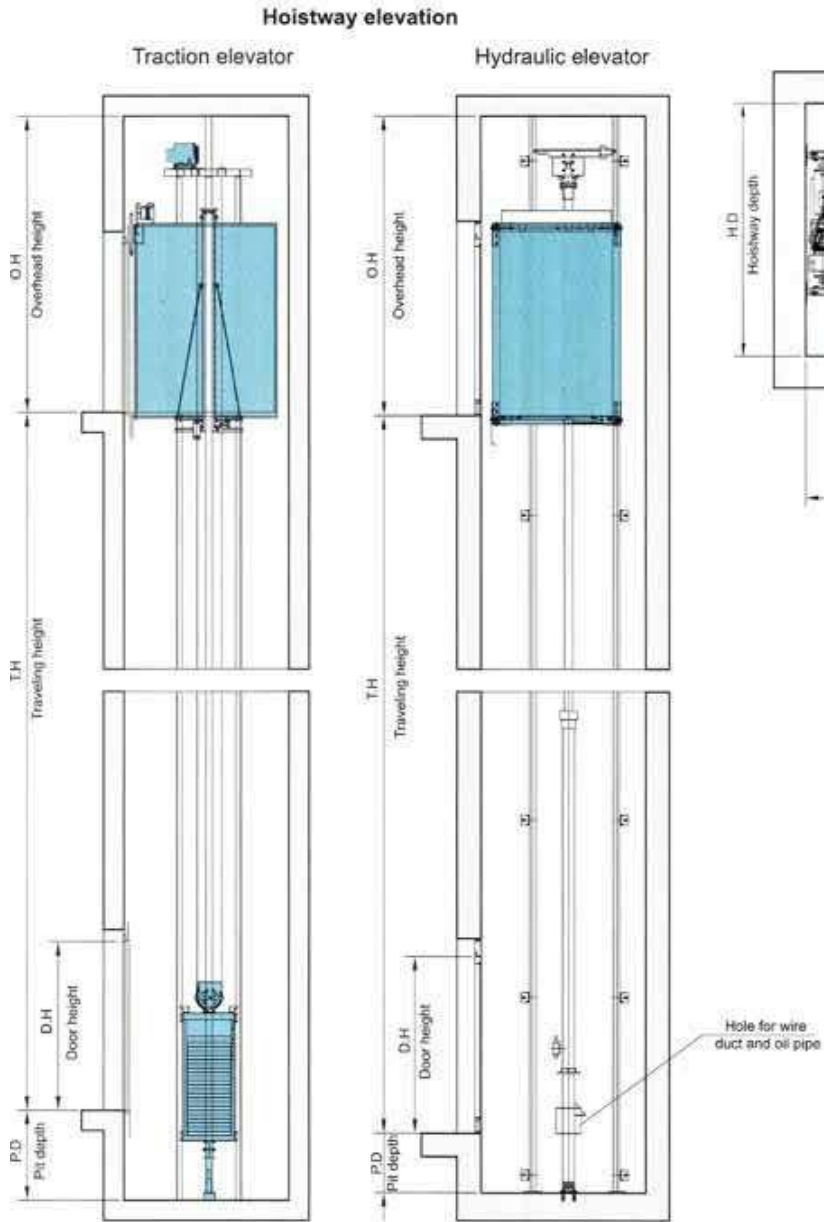
Persons	Rated capacity (kg)	Rated speed (m/s)	Net size of car (mm)	Net size of Door (mm)	Hoistway size (mm)		Machine room size (mm)		Car Shape	Max traveling height (m)
			C.W x C.D	2P Central opening	H.W x H.D	O.H	MR.W x MR.D	MR.H		
8	630	1.0	1400x1100	800x2100	2200x1650	4100	1400	2200x1650	2500	45
		1.75				4300	1500	2200x1650	2500	95
10	800	1.0	1400x1350	800x2100	2200x1850	4100	1400	2200x1850	2500	45
		1.75				4300	1500			95
		2.0				4400	1600			120
		2.5				4700	1700			150
		1.0				4100	1400	2400x1950	2500	45
		1.75				4300	1500			95
13	1000	2.0	1600x1500	900x2100	2400x1950	4400	1600	2400x1950	2500	120
		2.5				4700	1700			150
		1.0				4100	1400			45
		1.75				4300	1500			95
		2.0				4400	1600			120
		2.5				4700	1700			150
16	1250	1.0	1950x1400	1100x2100	2750x1900	4200	1400	2750x1900	2500	45
		1.75				4300	1500			95
		2.0				4400	1600			120
		2.5				4700	1700			150
		1.0				4200	1400	2750x2000	2500	45
		1.75				4300	1500			95
18	1350	2.0	1950x1550	1100x2100	2750x2000	4400	1600	2750x2000	2500	120
		2.5				4700	1700			150
		1.0				4200	1400			45
		1.75				4300	1500			95
		2.0				4400	1600			120
		2.5				4700	1700			150
21	1600	1.0	1950x1750	1100x2100	2750x2200	4200	1400	2750x2200	2500	45
		1.75				4300	1500			95
		2.0				4400	1600			120
		2.5				4700	1700			150
		1.0				4200	1400	2400x2395	2500	45
		1.75				4300	1500			95
13	1000	2.0	1400x1850	900x2100	2400x1110	4400	1600	2400x2395	2500	120
		2.5				4700	1700			150
		1.0				4100	1400			45
		1.75				4300	1500			95
		2.0				4400	1600			120
		2.5				4700	1700			150
10	800	1.0	1200x1650	800x2100	2200x1110	4100	1400	2400x2395	2500	45
		1.75				4300	1500			95
		2.0				4400	1600			120
		2.5				4700	1700			150
		1.0				4100	1400	2400x2395	2500	45
		1.75				4300	1500			95
13	1000	2.0	1400x1850	900x2100	2400x1110	4300	1500	2400x2395	2500	120
		2.5				4400	1600			150
		1.0				4100	1400			45
		1.75				4300	1500			95
		2.0				4400	1600			120
		2.5				4700	1700			150
15	1150	1.0	1200x2100	1000x2100	2750x1060	4100	1400	2750x2700	2500	45
		1.75				4300	1500			95
		2.0				4400	1600			120
		2.5				4700	1700			150
		1.0				4100	1400			45
		1.75				4300	1500			95

Hoistway elevation



Note: the conceptual diagram takes the horse-hoof panorama lift as an example.

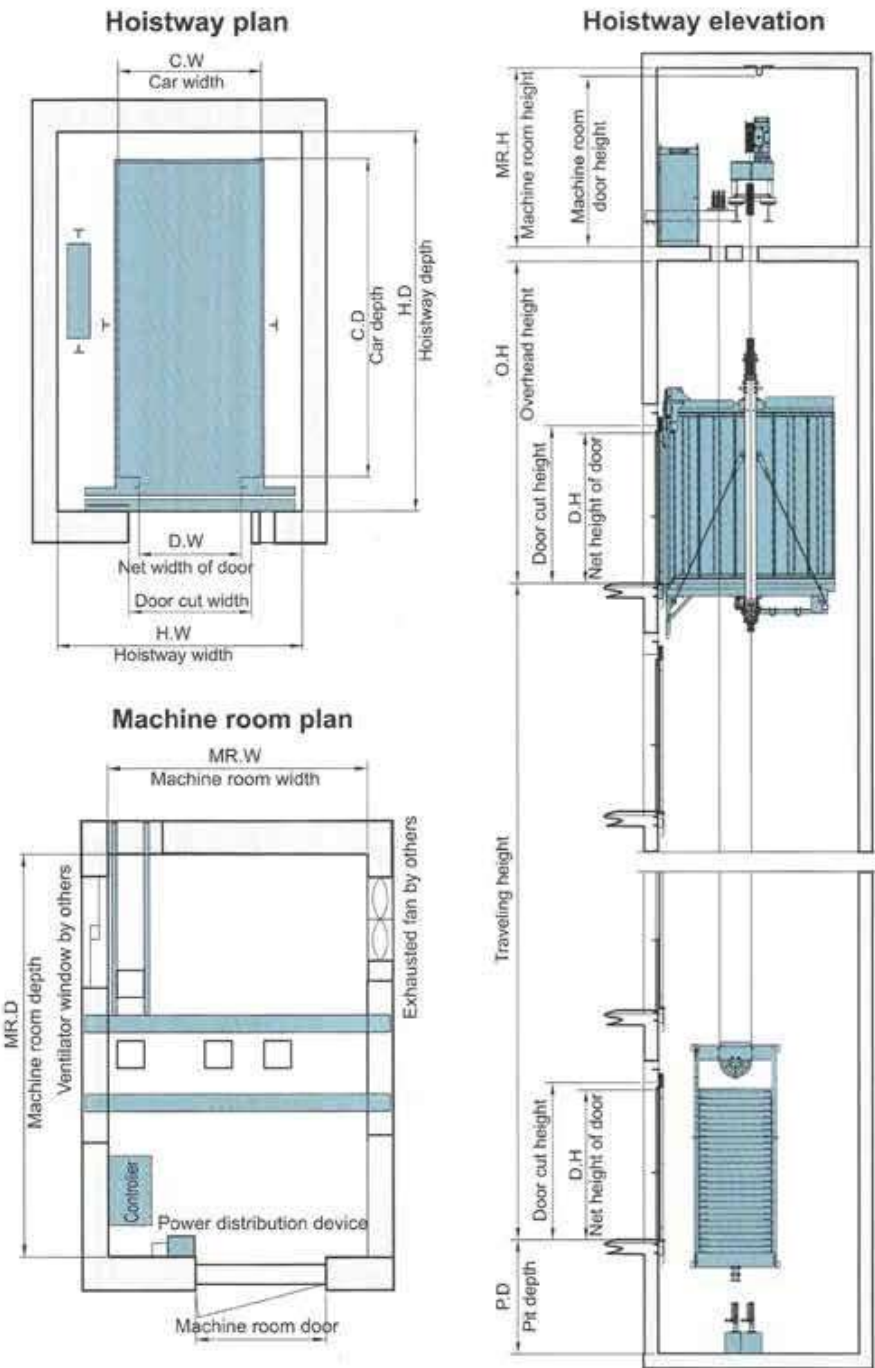
GRV20 home elevator construction sketch



GRV20 home elevator specifications

Drive mode	Traction Drive			Hydraulic Drive	
Load (Kg)	250	320	400	320	400
Passenger	3	4	5	4	5
Car width depth (mm) CWxCD	800x1200	900x1200	1000x1200	900x1200	1000x1200
Car height (mm)	2200				
Hoistway width depth (mm) HWxHD	1400x1600	1500x1600	1600x1600	1380x1450	1480x1450
Overhead height (mm) OH	3000			2900	
Pit Depth (mm)	600			300	
Door opening size (mm) (PL x PH)	700x2000	800x2000		750x2000	
Door Opening mode	Automatic side opening (Automatic Center opening)			Hand-pulled outer opening	
Speed (m/s)	0.3 or 0.4			0.22 or 0.28	
Traveling height (mm) OH	≤12m				
Power	220V or 380V				

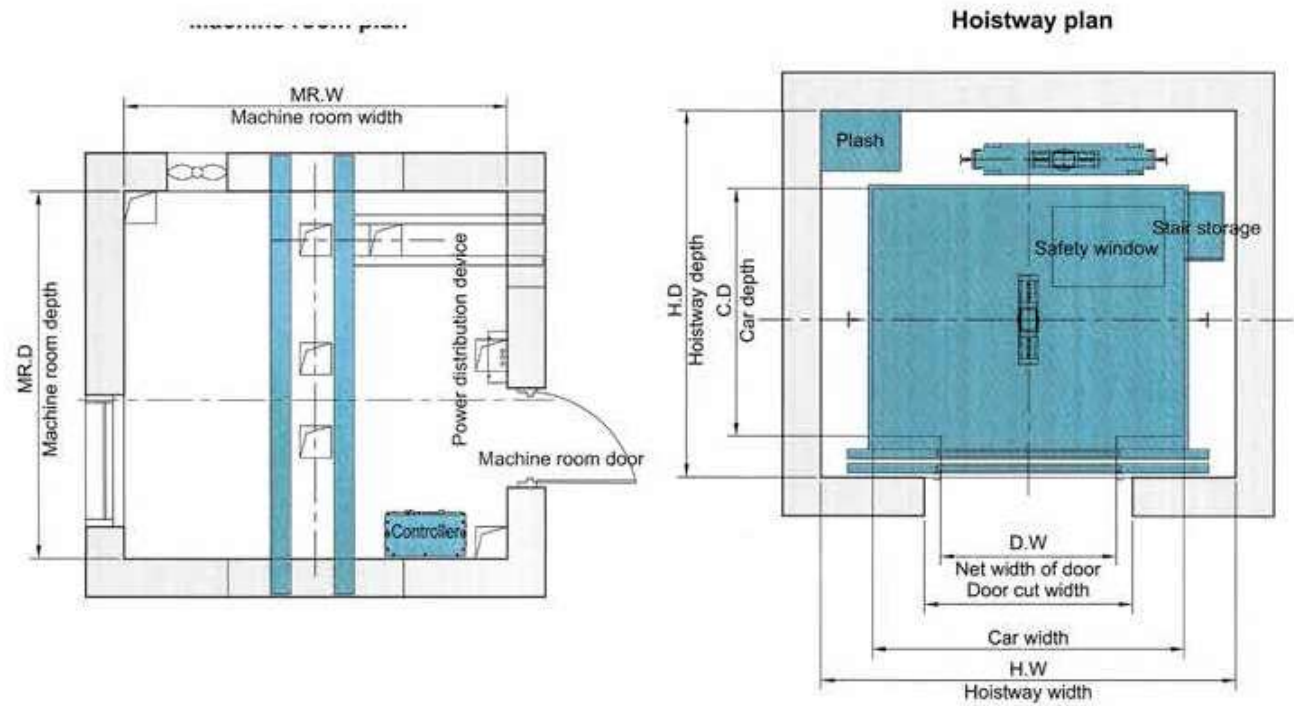
GRBS bed elevator construction sketch



GRBS bed elevator specifications

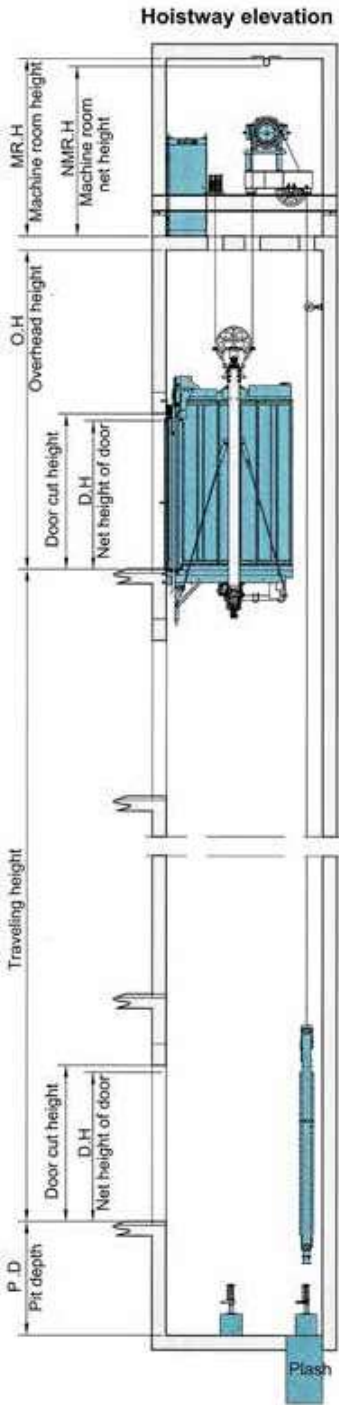
Persons	Rated capacity (kg)	Rated speed (m/s)	Net size of car (mm) C.W x C.D	Net size of Door (mm) 2P Central opening	Hoistway size (mm)			Machine room size (mm)		Max traveling height (m)
					H.W x H.D	O.H	P.D	MR.WxMR.D	MR.H	
13	100	1.0	1100x2100	1000x2100 2P central Opening	2200x2500	4100	1350	2200x2500	2500	45
		1.75				4300	1500			95
		2.0				4400	1600			120
		2.5				4700	1700			150
21	1600	1.0	1400x2400	1100x2100 2P central Opening	2500x2900	4200	1350	2400x2800	2500	45
		1.75				4300	1500			95
		2.0				4400	1600			120
		2.5				4700	1700			150
24	1800	1.0	1500x2500	1100x2100 2P central Opening	2500x2900	4200	1350	2500x2900	2500	45
		1.75				4300	1500			95
		2.0				4400	1600			120
		2.5				4700	1700			150
26	2000	1.0	1500x2700	1200x2100 2P central Opening	2600x3100	4200	1350	2600x3100	2500	45
		1.75				4300	1500			95
		2.0				4400	1600			120
		2.5				4700	1700			150
13	1000	1.0	1100x2100	1100x2100 2P Telescopic Opening	2100x2600	4100	1350	2100x2600	2500	45
		1.75				4300	1500			95
		2.0				4400	1600			120
		2.5				4700	1700			150
21	1600	1.0	1400x2400	1100x2100 2P Telescopic Opening	2200x2900	4200	1350	2200x2900	2500	45
		1.75				4300	1500			95
		2.0				4400	1600			120
		2.5				4700	1700			150
24	1800	1.0	1500x2500	1200x2100 2P Telescopic Opening	2300x3000	4200	1350	2300x3000	2500	45
		1.75				4300	1500			95
		2.0				4400	1600			120
		2.5				4700	1700			150
26	2000	1.0	1500x2700	1300x2100 2P Telescopic Opening	2450x3200	4200	1350	2450x3200	2500	45
		1.75				4300	1500			95
		2.0				4400	1600			120
		2.5				4700	1700			150

GRPS20F Fireman elevator construction sketch

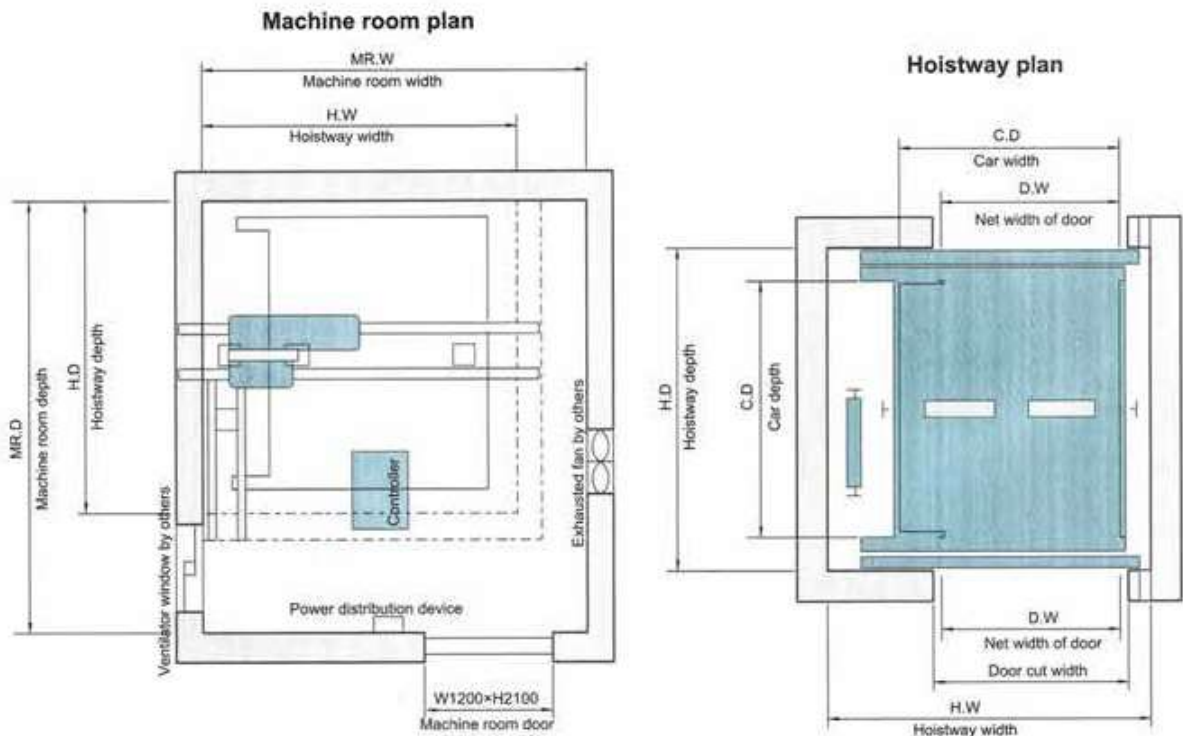


GRPS20F Fireman elevator specifications

Persons	Rated capacity (kg)	Rated speed (m/s)	Net size of car (mm)	Net size of Door (mm)	Hoistway size (mm)			Max traveling height (m)
			C.W x C.D	2P Central opening	H.W x H.D	O.H	P.D	
13	1000	1.0	1600x1500	900x2100	2250x2150	4200	1350	45
		1.75				4300	1500	95
		2.0				4400	1600	120
		2.5				4700	1700	150
		3.0				5000	2200	180
18	1350	1.0	1950x1550	1100x2100	2650x2200	4200	1350	45
		1.75				4300	1500	95
		2.0				4400	1600	120
		2.5				4700	1700	150
		3.0				5000	2200	180
21	1600	1.0	1950x1750	1100x2100	2650x2400	4200	1350	45
		1.75				4300	1500	95
		2.0				4400	1600	120
		2.5				4700	1700	150
		3.0				5000	2200	180

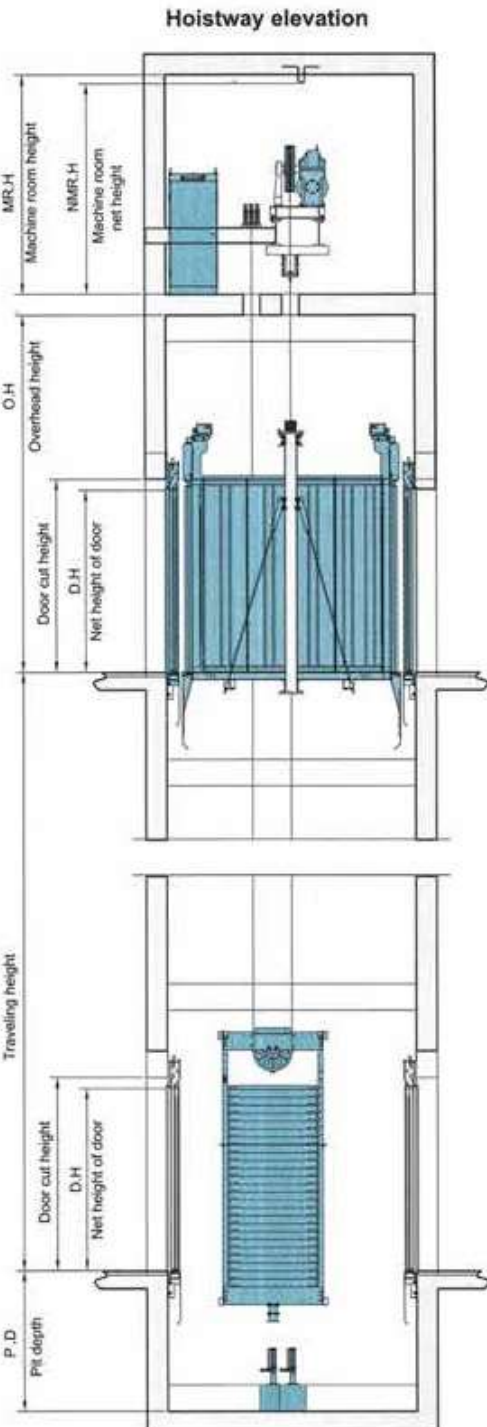


GRPS20F machine room freight elevator construction sketch

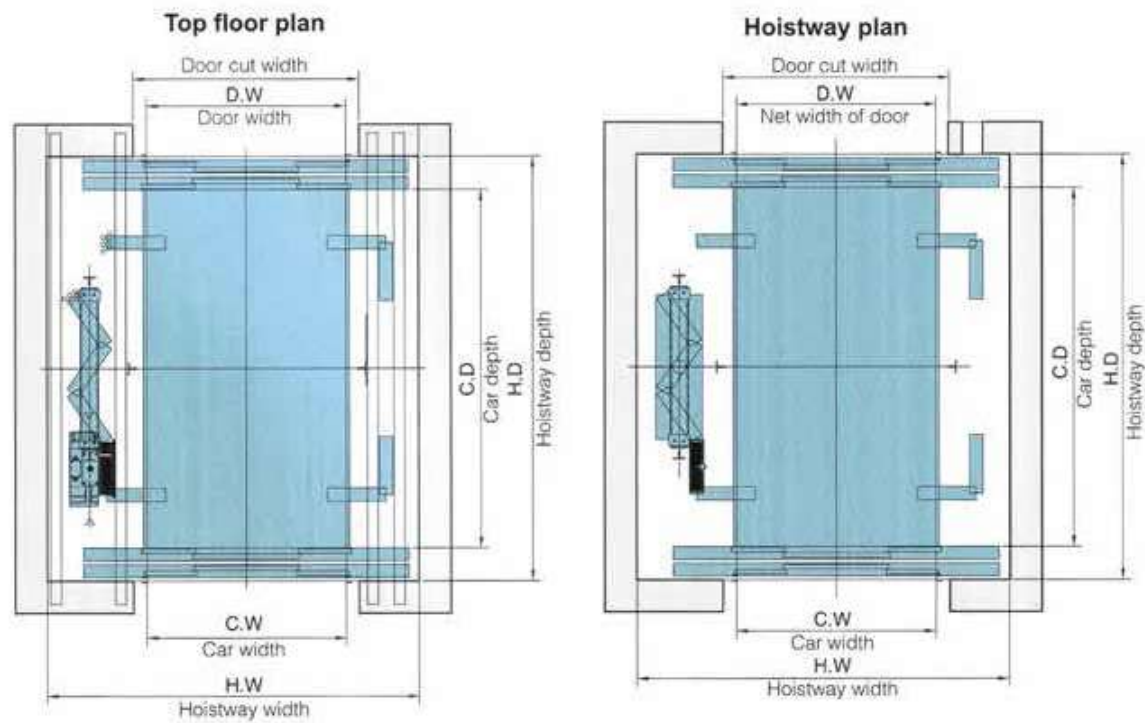


GRF machine room freight elevator specifications

Rated capacity (kg)	Rated speed (m/s)	Net size of car (mm)	Net size of Door D.WxD.H (mm)		Hoistway size (mm)			Machine room size (mm)		Max traveling height (m)
		C.W x C.D	2P telescope opening	4P Center opening	H.W x H.D	O.H	P.D	MR.W x MR.D	MR.H	
1000	0.5	1300x1750	1300x2200	---	2400x2150	4100	1400	2600x2400	2300	30
2000	0.5	1950x2150	1500x2200	1500x2200	2800x2600	4100	1400	2800x2600	2400	30
	1.0				2800x2600					45
3000	0.5	2000x2900	----	2000x2200	3400x3400	4400	1500	3400x3400	2600	30
5000	0.25	2400x3600	----	2400x2400	4000x4100	4600	1600	4000x4100	2700	15

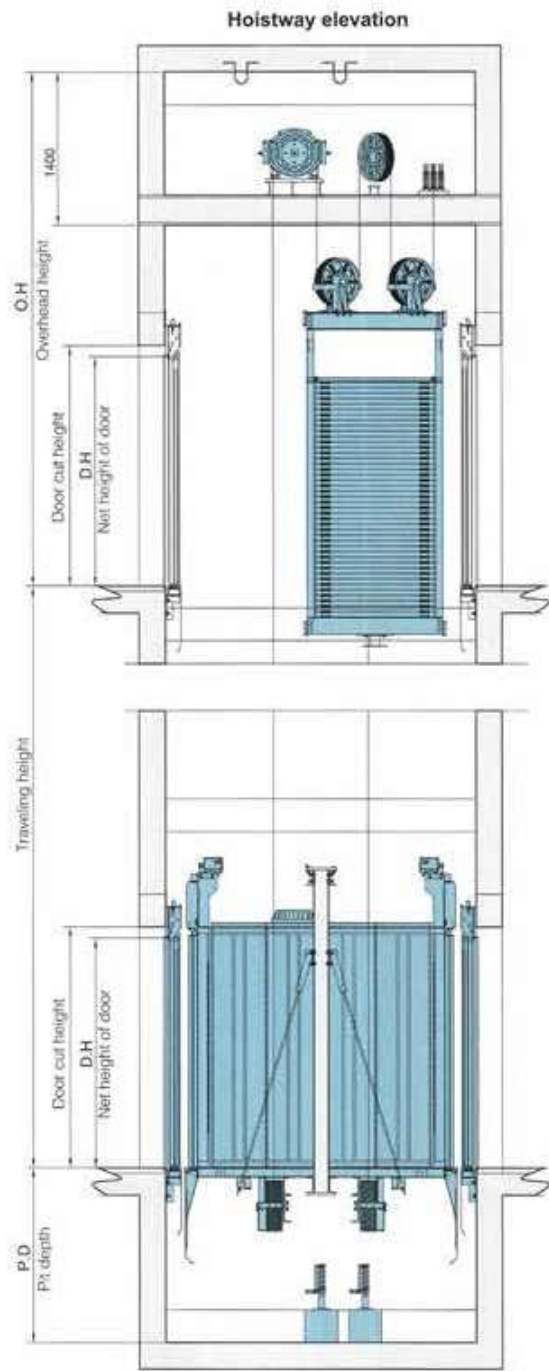


GRFN machine roomless freight elevator construction sketch

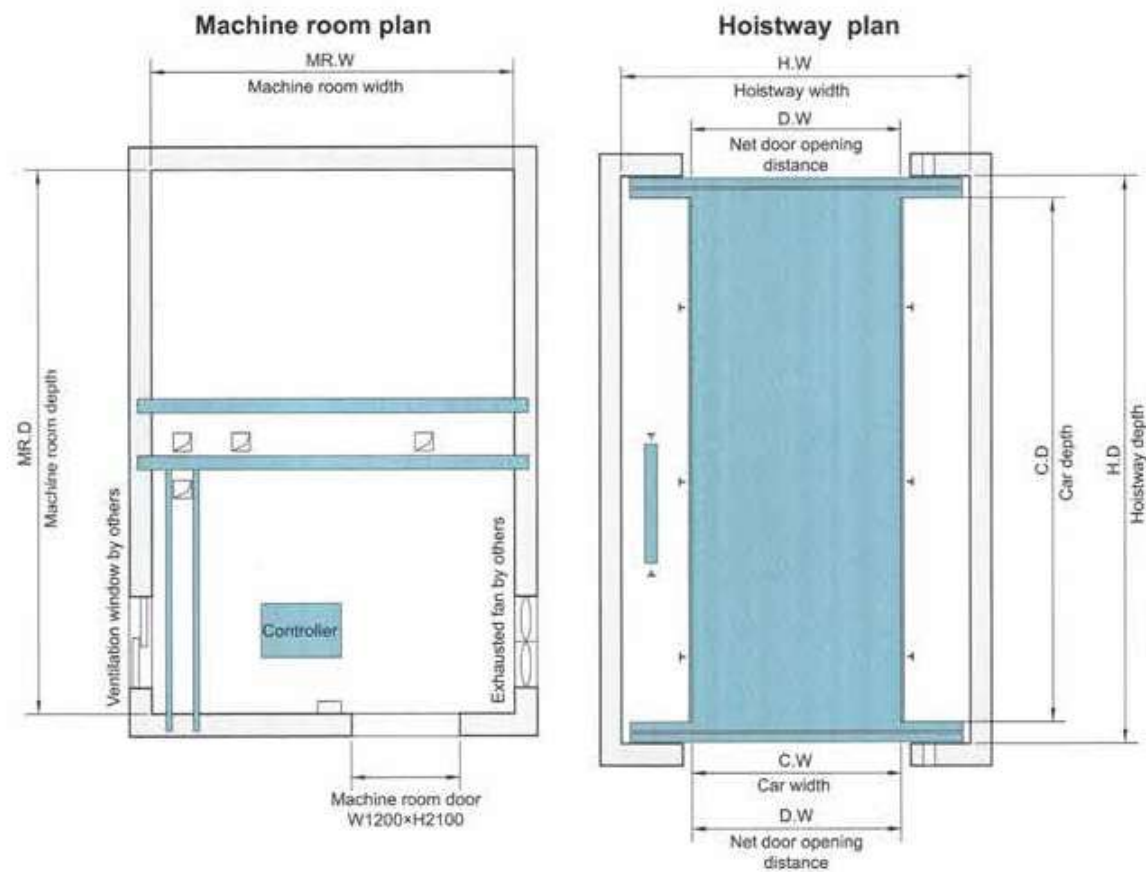


GRFN machine roomless freight elevator specifications

Rated capacity (kg)	Rated speed (m/s)	Net size of car (mm)	Net size of Door D.WxD.H(mm)		Hoistway size (mm)			Max traveling height (m)
		C.W x C.D	2P telescope opening	4P Center opening	H.W x H.D	O.H	P.D	
2000	0.5	1500x2700	----	1500x2100	2800x3150	4700	1600	4:1
2000	1.0	1500x2700	----	1500x2100	2800x3150	4800	1700	4:1
3000	0.5	2000x2900	----	2000x2200	3550x3500	5000	1700	4:1

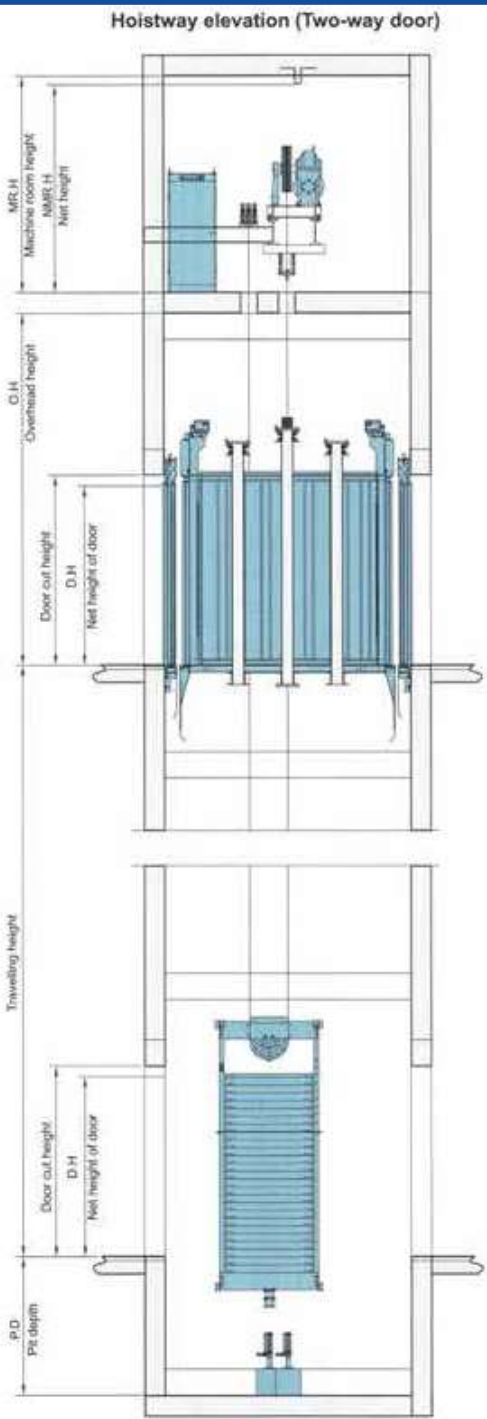


GRA10 car elevator construction sketch

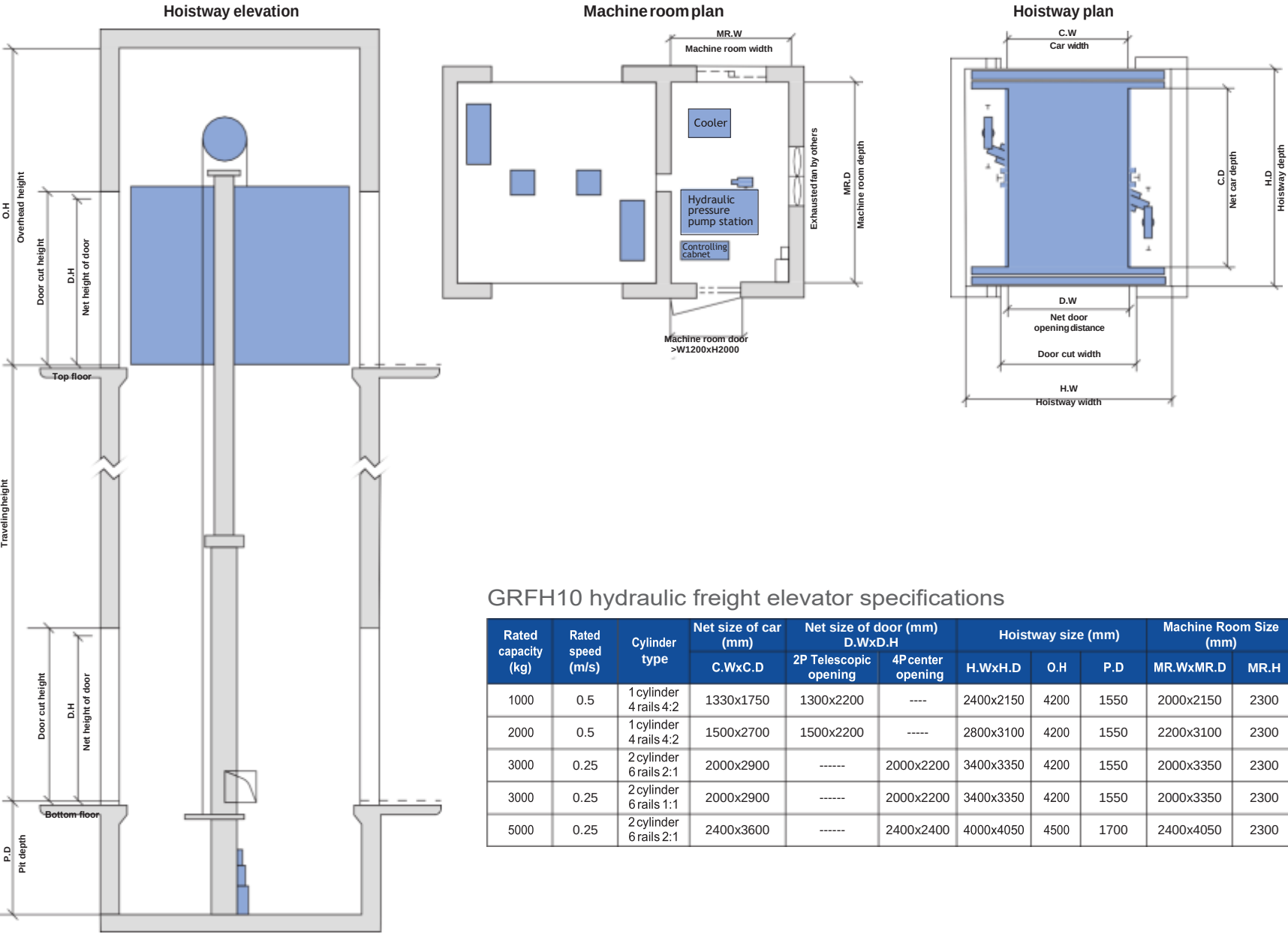


GRA10 car elevator specifications

Rated capacity (kg)	Rated speed (m/s)	Net size of door (mm)	Net size of car (mm)			Hoistway size (mm)		Machine Room Size (mm)			O.H (mm)	P.D (mm)	Max traveling height (m)
		4P center opening	Width	Depth	Height	Width	Depth P.D	Width	Depth	Height			
3000	0.5	2700x2200	2700	5500	2200	4000	6100	4000	6100	2700	4800	1700	30
5000	0.25	2700x2200	2700	6000	2200	4400	6600	4400	6600	2700	4800	1700	15



GRFH10 hydraulic freight elevator construction sketch

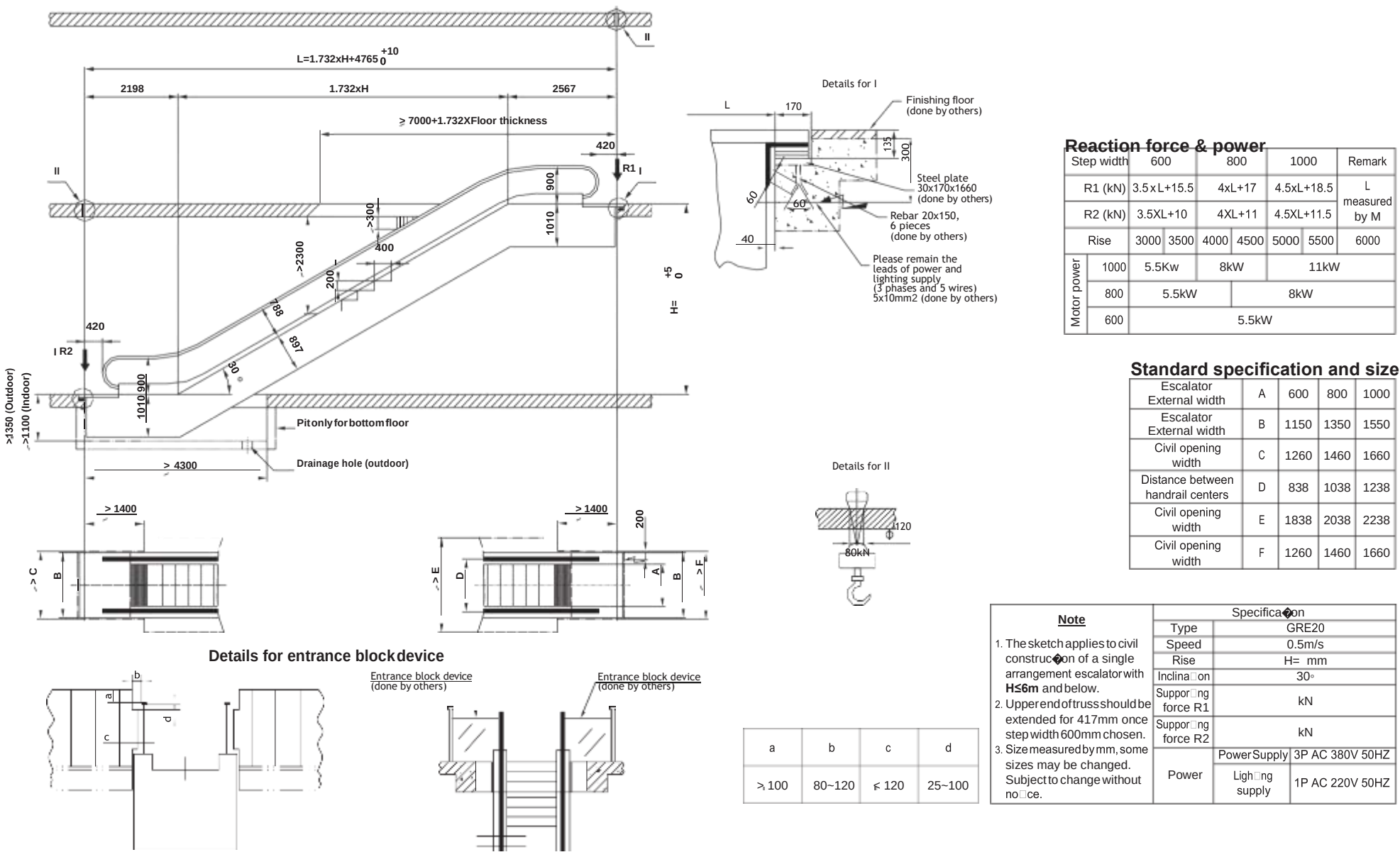


GRFH10 hydraulic freight elevator specifications

Rated capacity (kg)	Rated speed (m/s)	Cylinder type	Net size of car (mm)	Net size of door (mm) D.WxD.H		Hoistway size (mm)			Machine Room Size (mm)		Max traveling height (m)
			C.WxC.D	2P Telescopic opening	4P center opening	H.WxH.D	O.H	P.D	MR.WxMR.D	MR.H	
1000	0.5	1 cylinder 4 rails 4:2	1330x1750	1300x2200	----	2400x2150	4200	1550	2000x2150	2300	23.5
2000	0.5	1 cylinder 4 rails 4:2	1500x2700	1500x2200	-----	2800x3100	4200	1550	2200x3100	2300	23.5
3000	0.25	2 cylinder 6 rails 2:1	2000x2900	-----	2000x2200	3400x3350	4200	1550	2000x3350	2300	18
3000	0.25	2 cylinder 6 rails 1:1	2000x2900	-----	2000x2200	3400x3350	4200	1550	2000x3350	2300	9
5000	0.25	2 cylinder 6 rails 2:1	2400x3600	-----	2400x2400	4000x4050	4500	1700	2400x4050	2300	12

GRE20 escalator construction sketch (Indoor type and outdoor type)

30°



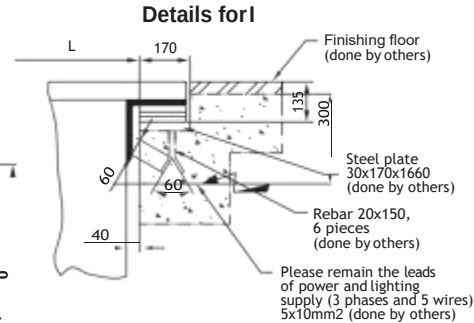
Reaction force & power									
Step width		600		800		1000		Remark	
R1 (kN)		3.5xL+15.5		4xL+17		4.5xL+18.5		L measured by M	
R2 (kN)		3.5XL+10		4XL+11		4.5XL+11.5			
Rise		3000	3500	4000	4500	5000	5500	6000	
Motor power	1000	5.5Kw		8kW		11kW			
	800	5.5kW			8kW				
	600	5.5kW							

Standard specification and size

Escalator External width	A	600	800	1000
Escalator External width	B	1150	1350	1550
Civil opening width	C	1260	1460	1660
Distance between handrail centers	D	838	1038	1238
Civil opening width	E	1838	2038	2238
Civil opening width	F	1260	1460	1660

Note	Specification		
	Type	GRE20	
1. The sketch applies to civil construction of a single arrangement escalator with H≤6m and below.	Speed	0.5m/s	
	Rise	H= mm	
	Inclination	30°	
2. Upper end of truss should be extended for 417mm once step width 600mm chosen.	Supporting force R1	kN	
	Supporting force R2	kN	
3. Size measured by mm, some sizes may be changed. Subject to change without notice.	Power Supply	3P AC 380V 50HZ	
	Lighting supply	1P AC 220V 50HZ	

a	b	c	d
> 100	80~120	≤ 120	25~100

35^o

Step width	600		800		1000		Remark
R1 (kN)	3.5 x L+15.5		4xL+17		4.5xL+18.5		L measured by M
R2 (kN)	3.5XL+10		4XL+11		4.5XL+11.5		
Rise	3000	3500	4000	4500	5000	5500	6000
Motor power	1000	5.5Kw		8kW		11kW	
	800	5.5kW			8kW		
	600	5.5kW					

Escalator External width	A	600	800	1000
Escalator External width	B	1150	1350	1550
Civil opening width	C	1260	1460	1660
Distance between handrail centers	D	838	1038	1238
Civil opening width	E	1838	2038	2238
Civil opening width	F	1260	1460	1660

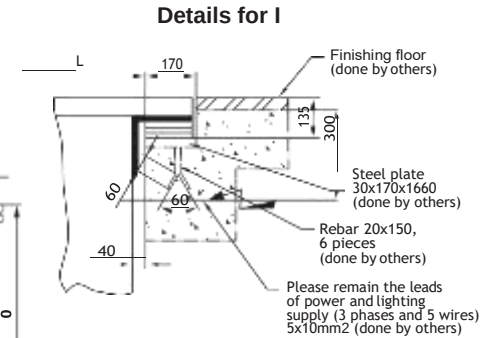
Note 1. The sketch applies to civil construction of a single arrangement escalator with H≤6m and below. 2. Upper end of truss should be extended for 417mm once step width 600mm chosen. 3. Size measured by mm, some sizes may be changed. Subject to change without notice.	Specification	
	Type	GRE20
	Speed	0.5m/s
	Rise	H= mm
	Inclination	35°
	Supporting force R1	kN
	Supporting force R2	kN
	Power Supply	3P AC 380V 50HZ
	Power Lighting supply	1P AC 220V 50HZ

Entrance block device
(done by others)

Entrance block device
(done by others)

a	b	c	d
≥ 100	80~120	≤ 120	25~100

30°



Entrance block device
(done by others)

Entrance block device
(done by others)

a	b	c	d
>100	80~120	≤ 120	25~100

Step width	600	800	1000
R1 (kN)	4.1 x L2+16.5	4.5xL2+17.1	5xL2+18.5
R2 (kN)	4.1XL1+8.8	4.5XL1+8.8	5XL1+9.5
R3 (kN)	4.25xL+10.5	4.5xL+11.5	5.2xL+12.5
Remarks	L, L1, L2 measured by M; Value of L1 & L2 less than 15m.		

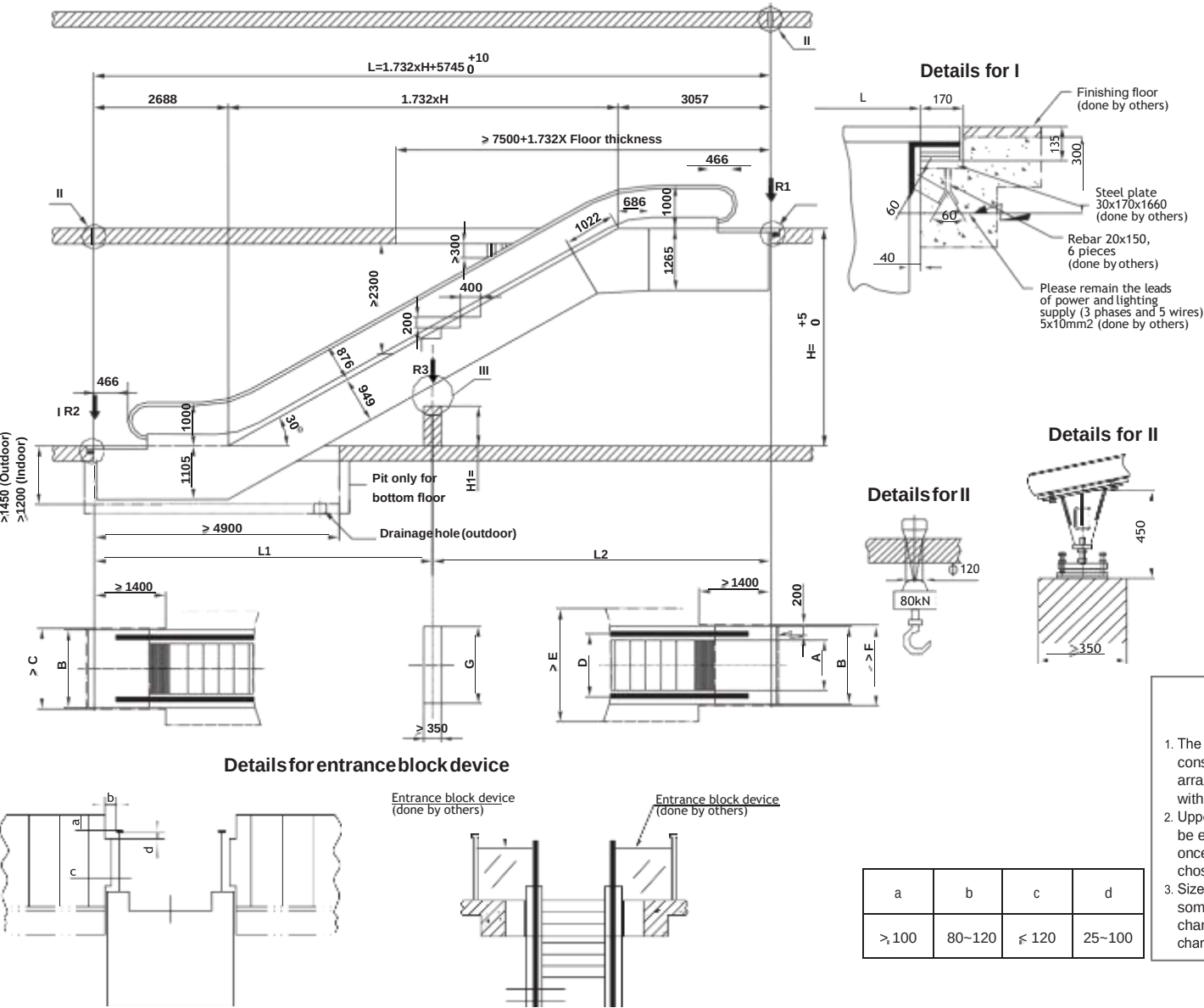
Escalator External width	A	600	800	1000
Escalator External width	B	1200	1400	1600
Civil opening width	C	1260	1460	1660
Distance between handrail centers	D	838	1038	1238
Civil opening width	E	1910	2110	2310
Civil opening width	F	1260	1460	1660
Support base length	G	1200	1400	1600

1. The sketch applies to civil construction of a single arrangement escalator with **H≤6m** and below.
2. Upper end of truss should be extended for 417mm once step width 600mm chosen.
3. Size measured by mm, some sizes may be changed. Subject to change without notice.

Technical specifications	Specification	
	Type	GRE30
	Speed	0.5m/s (0.65m/s)
	Rise	H= mm
	Inclination	30°
	Supporting force R1	kN
	Supporting force R2	kN
	Supporting force R3	kN
	Power	Power Supply Lighting supply 3P AC 380V 50HZ 1P AC 220V 50HZ

GRE50 public transport escalator construction sketch (Indoor type and outdoor type)

30°



Reaction force

Step width	600	800	1000
R1 (kN)	$4.1 \times L2 + 16.5$	$4.5 \times L2 + 17.1$	$5 \times L2 + 18.5$
R2 (kN)	$4.1 \times L1 + 8.8$	$4.5 \times L1 + 8.8$	$5 \times L1 + 9.5$
R3 (kN)	$4.25 \times L + 10.5$	$4.5 \times L + 11.5$	$5.2 \times L + 12.5$
Remarks	L, L1, L2 measured by M; Value of L1 & L2 less than 15m.		

Standard specification and size

Escalator	A	600	800	1000
External width	A	600	800	1000
Escalator	B	1200	1400	1600
External width	B	1200	1400	1600
Civil opening	C	1260	1460	1660
width	C	1260	1460	1660
Distance	D	838	1038	1238
between	D	838	1038	1238
handrail centers	D	838	1038	1238
Civil opening	E	1910	2110	2310
width	E	1910	2110	2310
Civil opening	F	1260	1460	1660
width	F	1260	1460	1660
Support base	G	1200	1400	1600
length	G	1200	1400	1600

Note

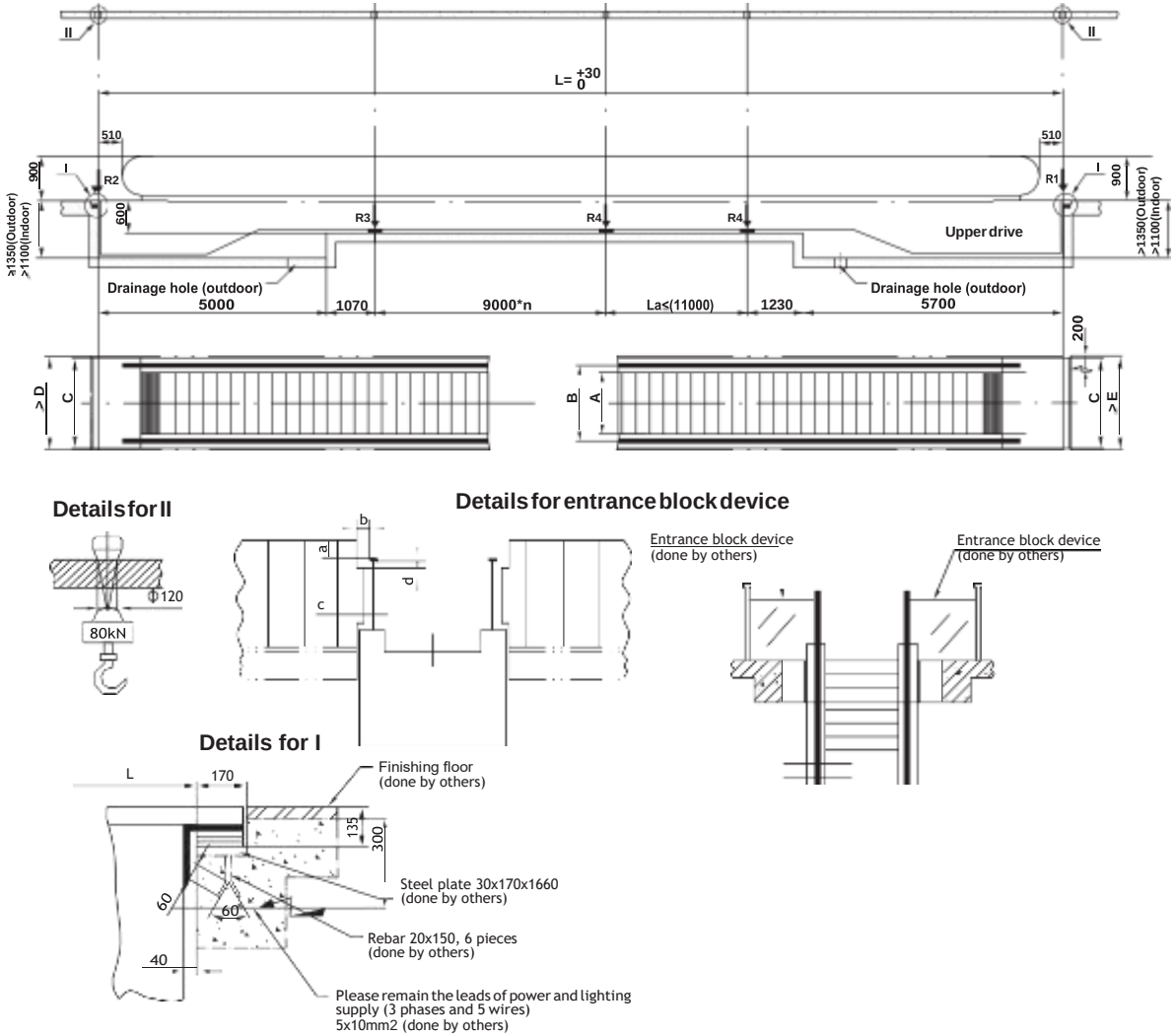
- The sketch applies to civil construction of a single arrangement escalator with $H \leq 6m$ and below.
- Upper end of truss should be extended for 417mm once step width 600mm chosen.
- Size measured by mm, some sizes may be changed. Subject to change without notice.

Specification	
Type	GRE50
Speed	0.5m/s (0.65m/s)
Rise	H= mm
Inclination	30°
Supporting force R1	kN
Supporting force R2	kN
Supporting force R3	kN
Power	Power Supply
	Lighting supply
3P AC 380V 50HZ	
1P AC 220V 50HZ	

a	b	c	d
>100	80~120	≤ 120	25~100

GRM15 moving walk construction sketch (Indoor type and outdoor type)

0°



Note

- The sketch applies to civil construction of a single arrangement escalator with $H \leq 150m$ and below.
- Size measured by mm, some sizes may be changed. Subject to change without notice.

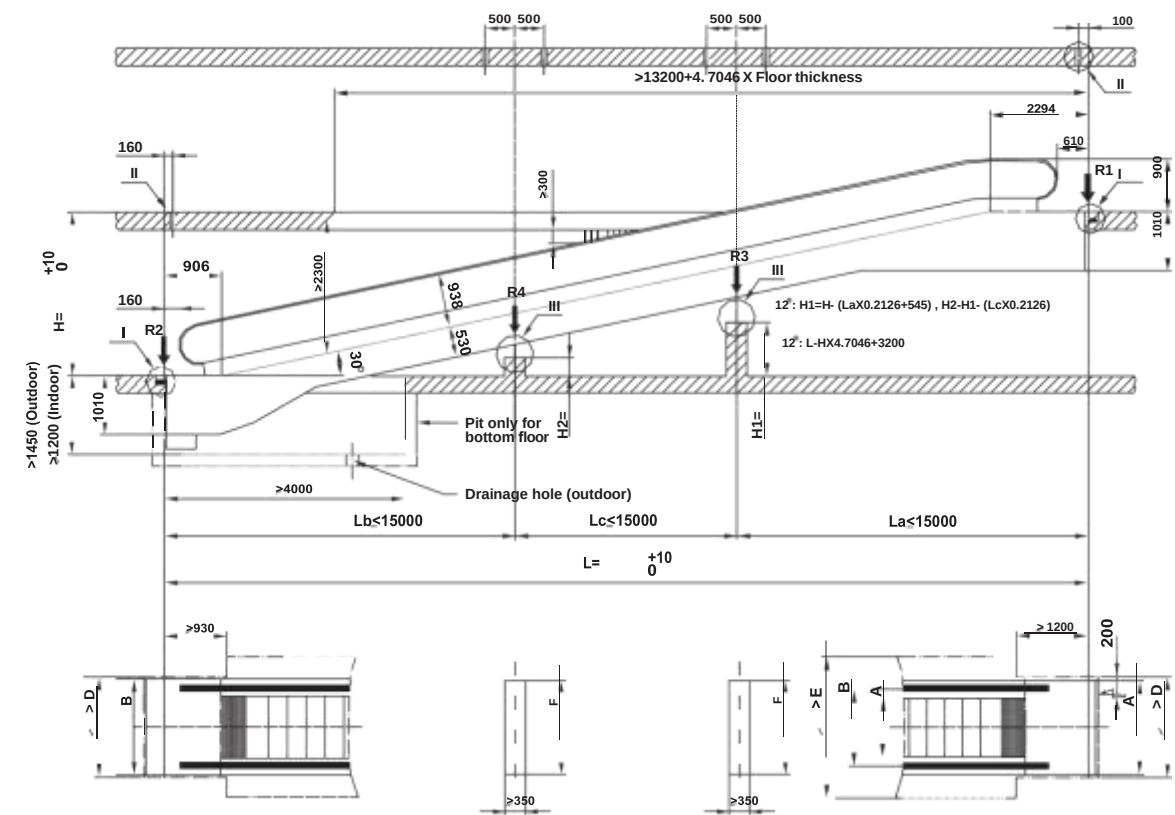
Specification	
Type	GRE15
Speed	0.5m/s
Rise	L= mm
Inclination	0°
Supporting force R1	kN
Supporting force R2	kN
Supporting force R3	kN
Supporting force R4	kN
Supporting force R5	kN
Power	Power Supply
	Lighting supply
3P AC 380V 50HZ	
1P AC 220V 50HZ	

a	b	c	d
> 100	b	c	d
80~120	≤ 120	25~100	

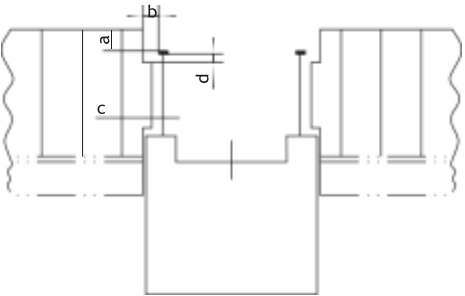
Pallet width	800	1000	Pallet width	800	1000
R1	32kN	36kN	A	800	1000
R2	31kN	33kN	B	1100	1310
R3	49kN	55kN	C	1400	1600
R4	50kN	57kN	D	1460	1660
R5	43kN	51kN	E	1460	1660

GRE20 moving walk construction sketch
(Indoor type and outdoor type)

12°



Details for entrance block device



Supporting force

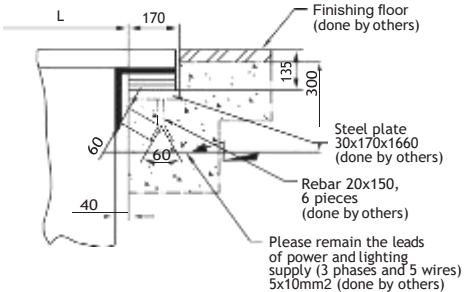
No middle support (kN)	Single middle support (kN)	Double middle supports (kN)
$R1=L \times q+M$	$R1=La \times q+M$	$R1=La \times q+M$
$R2=L \times q+N$	$R2=Lb \times q+N$	$R2=Lb \times q+N$
$R3=(La+Lb) \times 1.3 \times q$	$R3=(La+Lb) \times 1.3 \times q$	$R3=(La+Lb) \times 1.3 \times q$
$R4=(Lb+Lc) \times 1.3 \times q$	$R4=(Lb+Lc) \times 1.3 \times q$	$R4=(Lb+Lc) \times 1.3 \times q$

a	b	c	d
>100	80~120	≤ 120	25~100

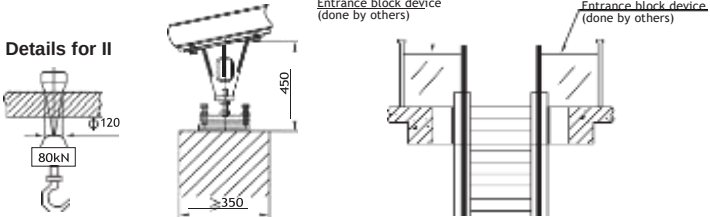
Pallet width	800	100
A	800	100
B	1110	1310
C	1400	1600
D	1460	1660
E	2110	2310
F	1400	1600

Supporting force	q		M	N	C	1400	1600
					D	1460	1660
800	0.0039		9.5	4.5	E	2110	2310
1000	0.0045		11	5	F	1400	1600
Inclination	Rise		Middle support				
	From	To	R3	R4	La	Lb	Lc
12°	1601	2508	--	--	--	--	--
	2509	5695	1	--	L/2	L/2	--
	5696	6000	1	1	L/3	L/3	L/3
	6100	8000	1	1	L/3	L/3	L/3

Details for I



Details for II



Note

1. The sketch applies to civil construction of a single arrangement escalator with $H \leq 8m$ and below.
2. Size measured by mm, some sizes may be changed. Subject to change without notice.

Specification

Type	GRE20
Speed	0.5m/s
Rise	H= mm
Inclination	12°
Supporting force R1	kN
Supporting force R2	kN
Supporting force R3	kN
Supporting force R4	kN
Power	Power Supply Lighting supply
	3P AC 380V 50HZ 1P AC 220V 50HZ

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