



Jan. 2013 edition

NS

TECHNOLOGY LEADS THE MARKET
SERVICES CREATE VALUE

SHENYANG BRILLIANT ELEVATOR CO., LTD

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SHENYANG BRILLIANT ELEVATOR CO., LTD

TECHNOLOGY LEADS THE MARKET
SERVICES CREATE VALUE

BRILLIANT ELEVATOR

- No.1 Chinese Brand
- Chinese Pride
- Trust by the world

Comparing to the renowned world-brand elevator, "Chinese brand" is becoming the step leader worldwide by providing deal service to globe prominent building structures. As China is continuously making science and technology model, we' ve been dedicating to make each intellectual traveling in the building more safe, comfortable and convenient.

After years of diligent effort, BLT, with its own proprietary intellectual property rights, has found more than 220 selling and service stations worldwide. Areas cover 6 wholly-owned and 1 jointed subsidiaries respectively in Germany, Australia, Singapore, Mongolia, Peru, and Morocco. In addition, we are expanding our universal sales and service network by advancing oversea manufactures setup schema and simultaneously providing professional, efficient, and convenient course to our widespread clients via a "Lifelong VIP Service" journey.

Stock Code: 002689

China Well-know Trademark

National Customer Satisfaction Enterprise

National Customer Satisfaction Service





THE INTRODUCTION OF SHENYANG YUANDA GROUP

■ Shenyang Yuanda Enterprise Group, constituted by Shenyang Yuanda Aluminum Industry Engineering Group, Shenyang Brilliant Elevator Group, and Shenyang Yuanda Mechanical & Electrical Equipment Group, is a large-scale international enterprise group specializing in curtain wall cladding systems, elevator manufacturing, mechanical and electrical equipment, wind power, integrated doors and windows, and environmental engineering. The headquarter is located in the Equipment Manufacturing Base of China – Shenyang City. After 19 years of innovation and development, Yuanda has established four manufacturing bases in Shenyang, Shanghai, Chengdu, and Foshan.

■ The full operation of the 1.9 square kilometers Yuanda Modern Industrial Park which located in the western Shenyang Industrial Corridor marks the birth of the world's largest curtain wall and elevator manufacturing base.

■ Yuanda Enterprise Group has opened up the high-end markets taking the United States and Japan as the center, the Southeast Asia market taking Singapore as the center, the European market taking United Kingdom and Germany as the center, the Middle East market taking U.A.E. as the center, the North Africa market taking Algiers as the center, and the Russia Federation market taking Moscow as the center. Its global sales and service network cover six continents all over the world, fully realizing the function of a comprehensive network of global business and service integration and radiation.

■ With unending spirit of innovation and pursuit of "high quality, high technology, and high-end markets" branding, Yuanda has won the trust of the world.

■ At present, projects constructed by Yuanda has been all over the world; the Russian Federation Tower, building height of 509 meters as the "tallest building in Europe"; the most difficult curtain wall engineering in the world – Japan COCOON Tower; Beijing 2008 Olympic National Swimming Stadium, the "Water Cube" and National Stadium the "Bird's Nest" has become unique landmark buildings in the world; Shanghai World Expo 2010 permanent stadium – the Expo Theme Pavilion and the Expo Center; project with the largest area in single contract in world curtain wall projects, Dubai Business Bay; the highest contract amount of a single contract, Abu Dhabi Commercial Center; Beijing New Poly Plaza, "the tallest building in South China" – Shenzhen Jingji Tower, Shanghai Oriental Art Center and other global landmark projects are all from Yuanda Enterprise Group.

■ Yuanda has always been seeking for reputation and market with quality, realizing the perfect combination of world-class technology, talents, and first-class equipment, thus the continuous expansion of the core business of Yuanda is becoming the world-class R&D and talents centers of the elevator industry.

■ Yuanda believes in the philosophy of "To do things honestly, to treat people sincerely", hoping with all of our friends around the world to build the Yuanda "world family". Yuanda wishes all the sincere people around the world have brilliant prospects!

SHENYANG BRILLIANT ELEVATOR CO.,LTD.

■ Shenyang Brilliant Elevator Co., Ltd. affiliates with Yuanda Enterprise group, is a large specialized company engaged in designing, manufacturing, installation, and after-sales service of modern elevating products. In 2010, Shenyang Yuanda Enterprise Group invested 2.8 billion to build the Brilliant Elevator Industrial Park has been fully operational. With a total area of 0.9 square kilometers, the plants are built with aluminum plastic sheets and steel structure. The new plant reached production capacity of 50,000 units per year and became the largest elevator production base in the world. The 177 meters height elevator test tower will be the landmark building of elevator industry.

■ "Revitalize national industry, create industry flagship." Since the day of foundation, Brilliant has based on the advancement and expansion of national industry, building native elevator brand. In 2009, Brilliant achieved No.1 in terms of exporting volume among Chinese native brands, and for two consecutive years nominated for the Chinese Elevator Enterprise Top Ten, and won the approval of worldwide clients with outstanding quality and competitive price, including the London 2012 Olympic supporting projects – Heathrow Airport, the transportation hub of Europe – Frankfurt Airport, Beijing Metro, Shenyang Metro, and etc.. In a few years, Brilliant has obtained the European CE certification and Russia GOST certification for the full series of products, with quality products and perfect after-sales service to meet different customer needs. Currently, the sales and service network have covered 140 countries and regions, including the United States, Australia, Russia, Mexico, United Kingdom, Germany, and Singapore. Brilliant Elevator, with independent intellectual property rights as well as independent brand, is one of the leading elevator companies in the world.



To build the world-class factory
To create the international brand



26 thousand square meters large single workshop (multiple)



AMADA EMK3510NT turret punch



AMADA VIPROS-357Q Numerically Controlled Turret Punch Press



AMADA Flying Optics Laser Machine FO-3015



TRUMATIC L 3030, TRUMPF, Germany



GLOBAL LEADER IN PRODUCTION EQUIPMENT



Salvagnini' s(S4+P4) Complete and Flexible Sheet Metal Product Lines, Italy(two)



To build the world-class factory
To create the international brand





To build the world-class factory
To create the international brand



IDEAS OF ENDLESS INNOVATION NS PASSENGER ELEVATOR

Based on the design ideas of integrating safety, comfort, energy saving, environment protection and humanization together, the customized and professional configuration design makes products more adaptable and competitive.

OPTIMAL CIVIL ENGINEERING LAYOUT

This series of product adopts reasonable layout. Integrating with GPM permanent magnet synchronous traction machine from BLT, it further reduces shaft dimension compared with other machine roomless elevators, by which directly reduces the civil engineering cost of customer and offers bigger design space for buildings.

SAFE AND RELIABLE SYSTEM CONTROL

Besides meeting the riding comfort, this series of products adopts high-performance professional elevator control system with advanced German technology and multiple safety protective devices. With redundancy protection, the safety system effectively guarantees the riding reliability and safety.

ENERGY SAVING AND GREEN DRIVE SYSTEM

The self-developed permanent magnet synchronous gearless traction machine is adopted which owns the advantages of stable performance and high security. At the meantime, field-oriented vector transformation control has directly enhanced working efficiency, reduced the volume of traction machine, eliminated gear transmission noise and vibration, and saved energy by more than 30%; fully enclosed design without refueling regularly reduces oil pollution on environment.

THE HIGH PERFORMANCE OF CONTROL SYSTEM/DOOR SYSTEM

The door system adopts bistable switch detecting and locating way. It's matched with frequency control integrated system specially used for VVVF door operator and arc-gear synchronous belt transmission, with characteristics of simple driving, high locating precision, stable and reliable operation, low noises etc.

OUTSTANDING ELECTRIC SYSTEM AND INFORMATION STORAGE SYSTEM

The door system adopts bistable switch detecting and locating way. It's matched with frequency control integrated system specially used for VVVF door operator and arc-gear synchronous belt transmission, with characteristics of simple driving, high locating precision, stable and reliable operation, low noises etc.

- Sophisticated field bus technology and SMT technology improves the anti-interference and guarantees the reliable operation of the system.
- Convenient system management and precise historical data storage can communicate through various modern communication media and provide the precise information for you in the first time.

EXQUISITE LANDING DOOR APPEARANCE AND CAR DECORATION

- The landing door configures exquisite thin calling box and floor display which perfectly integrate with the building.
- The car could composite multiple materials of car wall together, and could configure LED illumination with low energy consumption, small scattering.
- The operation panel could configure LCD display, whereby the floor image is accurate and the vision is novel.

STANDARDS AND RULES THE PRODUCT PERFORMS

The product performs EN81-1: 1998 "Safety rules for the construction and installation of electric lifts"

THE PRODUCT IS OF WIDE APPLICABILITY

The product owns compact decoration, safe and comfortable structure configuration, being applicable to high-quality residential buildings, apartments and hotels, as well as the economy and reform market demand.



To build the world-class factory
To create the international brand

BE EXCELLENT ON

INNER ROTOR TRACTION MACHINE



■ Mastered the core technology of Brilliant rotor permanent magnet synchronous traction machine, equipped with the world's leading technology high abrasion disc brake

Permanent magnet synchronous gearless motor technology is applied to traction machine. About 30% of energy can be saved by zero excitation wastage which can be resulted from no need to attract non-work electricity from electrical grid for the establishment of air gap magnetic field.

Gearless structure avoids traditional application of slow-down devices so that the whole drive efficiency has been improved dramatically, and therefore reducing the noise. Such a structure also can benefit from environmental friendly solution and maintenance work.

There's no need of the lubrication, and maintain environments cleanly.

THE ADVANCED HALL CALL

DESTINATION CONTROL SYSTEM* (only for MPK808 control system)

■ Destination dispatch – travel comfort and transport performance for sophisticated tastes.



Landing terminal



Assignment of lift



Car terminal



NS SCOPE AND CONTENT

Type	No.	Code name	Parameter		Traction machine	Product strategy
			Capacity (Kg)	Speed (m/s)		
NS	1	NS8400J	400-1000	1.0-1.75	GPM	Economy
	2	NS8400	1150-1600	1.0-2.0	GPM	Public building
	3	NS8500	630-1000	1.0-1.75	GPM	Economy
	4	NS8700	630-1000	1.0-2.0	GPM	Luxury
	5	NS8400K	600-800	1.0-1.75	GPM	Economy(Chile)
	6	NS8600U	2000	1.0-2.5	SPECIAL	Public building
			2700	1.0-1.6		
7	NS8600	1800-2700	0.5-1.6	SPECIAL	Public building	



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SERIES PRODUCTS

SATISFYING THE INDIVIDUAL DEMANDS OF OUR CUSTOMERS



K007 car

Decoration code:	
●	PD013
●	PD015
Car ceiling:	● PD016
Material:	
●	Powder spray steel sheet RAL1013
Car wall:	● Powder spray steel sheet RAL1013
Car door:	● Powder spray steel sheet RAL1013
Sill:	● Hard aluminum alloy
Kick plate:	● Hairline finished stainless steel
Ventilation fan:	● Axial flow fan
Floor:	● Plastic SJ-011
Handrail:	● No handrail for standard configuration

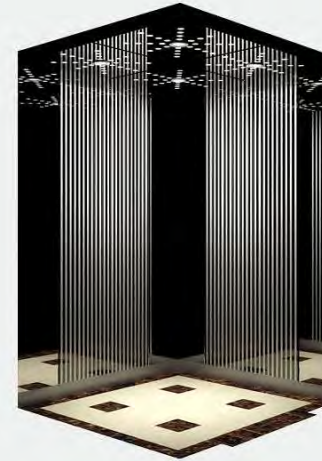
Computer Drawing, May Vary from Actual Product



K008 car

Decoration code:	
●	PD013
●	PD015
Car ceiling:	● PD016
Material:	
●	Hairline finish stainless steel/Mirror finished etched stainless steel (without gouging)
Car wall:	● Hairline finish stainless steel/Mirror finished etched stainless steel (without gouging)
Car door:	● Hairline finish stainless steel/Mirror finished etched stainless steel (without gouging)
Sill:	● Hard aluminum alloy
Kick plate:	● Hairline finished stainless steel
Ventilation fan:	● Axial flow fan
Floor:	● Plastic SJ-011
Handrail:	● No handrail for standard configuration

Computer Drawing, May Vary from Actual Product



K001 car

Decoration code:	
●	PD007
Car ceiling:	● Material:
●	Mirror finished stainless steel
Car wall:	● Etched finished stainless steel(MSK-001)
●	Mirror finished stainless steel
Car door:	● Mirror finished stainless steel
Sill:	● Hard aluminum alloy
Kick plate:	● Hairline finished stainless steel
Ventilation fan:	● Axial flow fan
Floor:	● Marble with designs DLS-012
Handrail:	● No handrail for standard configuration

Computer Drawing, May Vary from Actual Product



K003 car

Decoration code:	
●	PD015
Car ceiling:	● Material:
●	Mirror finished stainless steel
Car wall:	● Mirror finished stainless steel
●	Etched finished stainless steel (MSK-001)
Car door:	● Mirror finished stainless steel
Kick plate:	● Hairline finished stainless steel
Sill:	● Hard aluminum alloy
Ventilation fan:	● Axial flow fan
Floor:	● SJ-002A
Handrail:	● No handrail for standard configuration

Computer Drawing, May Vary from Actual Product



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To create the international brand



K016 car

	Decoration code:
	PS001
	PS002
Car ceiling:	Material:
	Powder spray steel sheet RAL1013
Car wall:	Powder spray steel sheet (RAL1013)
Car door:	Powder spray steel sheet (RAL1013)
Kick plate:	Hairline finished stainless steel
Floor:	Plastic SJ-011
Handrail:	No handrail for standard configuration

Computer Drawing, May Vary from Actual Product



K019 car

	PD057
Car ceiling:	Hairline finished stainless steel, White acrylic;
Car wall:	Hairline finished stainless steel+ Mirror finished stainless steel
Car door:	Hairline finished stainless steel
Car operating board:	Hairline finished stainless steel panel
Handrail:	Stainless steel handrail, BLT-H005;
Kick plate:	Hairline finished stainless steel
Floor:	Plastic

Computer Drawing, May Vary from Actual Product



K020 car

	PD058
Car ceiling:	Hairline finished stainless steel, White acrylic;
Car wall:	Hairline finished stainless steel+ Mirror finished stainless steel
Car door:	Hairline finished stainless steel
Car operating board:	Hairline finished stainless steel panel
Handrail:	Stainless steel handrail, BLT-H005;
Kick plate:	Hairline finished stainless steel
Floor:	Plastic

Computer Drawing, May Vary from Actual Product



K021 car

	PD059
Car ceiling:	Hairline finished stainless steel, White acrylic
Car wall:	Hairline finished stainless steel+ Mirror finished stainless steel
Car door:	Hairline finished stainless steel
Car operating board:	Hairline finished stainless steel panel
Handrail:	Stainless steel handrail, BLT-H005;
Kick plate:	Hairline finished stainless steel
Floor:	Plastic

Computer Drawing, May Vary from Actual Product



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K018 car

Car ceiling:	PD053, PD055/PD056, Hairline Finished Stainless Steel
Car wall:	Hairline Finished Stainless Steel
Car door:	Hairline Finished Stainless Steel
Sill:	Hard Aluminum Alloy
Kick plate:	Hairline Finished Stainless Steel
Ventilation fan:	Axial Flow Fan
Floor:	Resin QuartzSJ-011

Computer Drawing, May Vary from Actual Product



K017 car

Car ceiling:	PD053, PD055/PD056, Powder Spray Steel Sheet RAL1013
Car wall:	Powder spray steel sheet (RAL1013)
Car door:	Powder spray steel sheet (RAL1013)
Sill:	Hard Aluminum Alloy
Kick plate:	Hairline Finished Stainless Steel
Ventilation fan:	Axial Flow Fan
Floor:	Resin QuartzSJ-011

Computer Drawing, May Vary from Actual Product



K031 car

Decoration code:	PD013
Car ceiling:	PD015 PD016(led lamp)
Material:	Hairline finish stainless steel/Mirror finished etched stainless steel (without gouging)
Car wall:	Hairline finished stainless steel / Mirror finished etched stainless steel (without gouging)
Car door:	Hairline finished stainless steel / Mirror finished etched stainless steel (without gouging)
Kick plate:	Hairline finish stainless steel
Floor:	Plastic SJ-011
Handrail:	No handrail for standard configuration

Computer Drawing, May Vary from Actual Product

CEILING DESIGN



Car ceiling PD013



Car ceiling PD015



Car ceiling PD016



Car ceiling PD017



Car ceiling PD053



Car ceiling PS002



Car ceiling PS001



Car ceiling PD055



Car ceiling PD056



Car ceiling PD018



Car ceiling PD058



Car ceiling PD057



Car ceiling PD038



Car ceiling PD059



Car ceiling PD065



Car ceiling PD007



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GROUP CONTROL DESIGN ◀▶



HD001

HD002

HD003

Landing Call
hairline finished stainless steel HB313

Landing Lantern
hairline finished stainless steel HD001

DOOR JAMB DESIGN ◀▶



Narrow door jamb (standard)



Wide door jamb (optional)



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FLOOR DECORATION



SJ-002A
(Plastic)



SJ-004
(Plastic)



SJ-008
(Plastic)



DLS-012
(Marble)



DLS-013
(Marble)



SJ-019
(Plastic)



SJ-020
(Plastic)

PLASTIC FLOOR



SJ-011



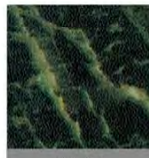
MA-018



MA-025



MA-026



MA-019



MA-021



MA-050

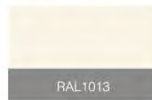


MA-023

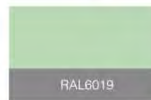
MATERIAL DESIGN



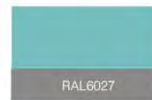
MFW-001



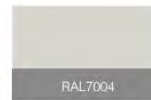
RAL1013



RAL6019



RAL6027

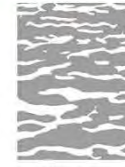


RAL7004

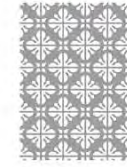
MATERIAL DESIGN



MSK001
(optional)



MSK-002
(optional)



MSK-006
(optional)



MSK-007
(optional)



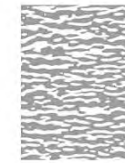
MSK-008
(optional)



MSK-009
(optional)



MSK-010
(optional)



MSK-011
(optional)



MSK-012
(optional)

HANDRAIL DESIGN



BLT-H005 (Stainless steel handrail)



BLT-H006 (Acrylic handrail)



BLT-H007 (Stainless steel handrail)



BLT-H009 (Stainless steel handrail)



BLT-H011 (Stainless steel handrail)



BLT-H012 (Stainless steel handrail)

Computer Drawing, May Vary from Actual Product

Computer Drawing, May Vary from Actual Product



To build the world-class factory
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INTERIOR/EXTERIOR CAR

CALLING DESIGN



CBG306-A CBG320-A CBG321-A

Hairline finished stainless steel face plate

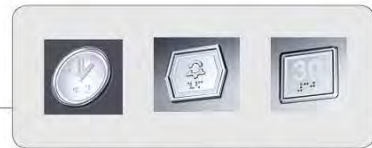


HG317
Hall transverse display

HF300-A
Fireman switch box



Call button box HB313



Buttons above is applicable for all call button boxes
(Note: Integrated operating board is not presented)



LED Display Call button box
HBG317(Round button), HBG318(Hexangular button), HBG319(Square button)



LED Display Call button box
HBPG317(Round button), HBPG318(Hexangular button), HBPG319(Square button)

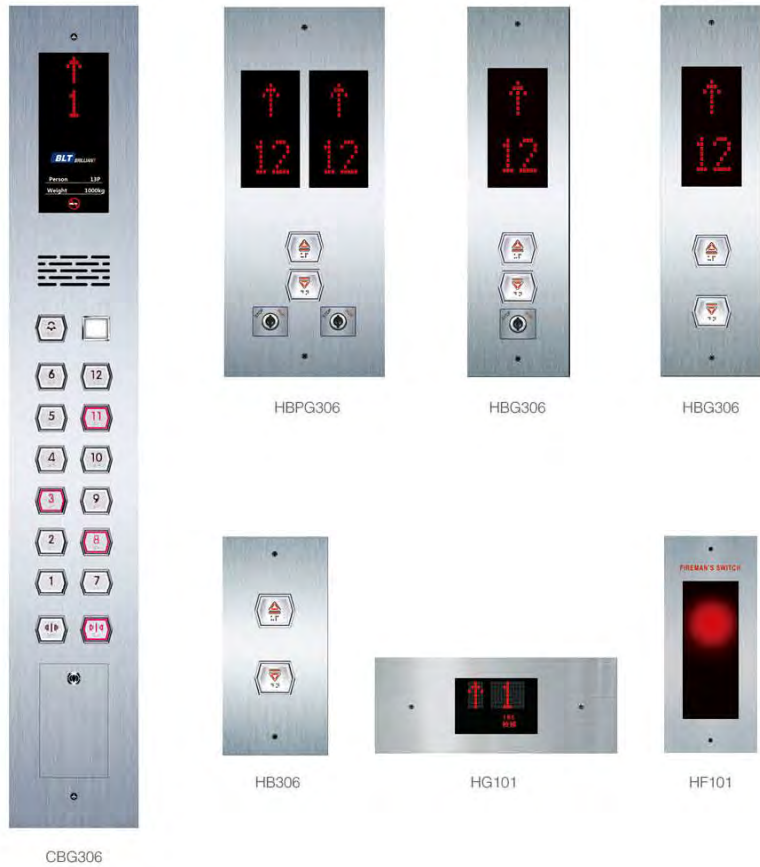
Computer Drawing, May Vary from Actual Product



To build the world-class factory
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INTERIOR/EXTERIOR CAR

CALLING DESIGN



Hairline finished
stainless steel face plate



Hairline finished
stainless steel face plate

Note: If customer order these calling design (c.o.p and h.o.p), Please mark out display English word

Computer Drawing, May Vary from Actual Product



To build the world-class factory
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INTERIOR/EXTERIOR CAR

CALLING DESIGN



CBG313-A (Optional)
CBG314-A (Optional)
CBG315-A (Optional)

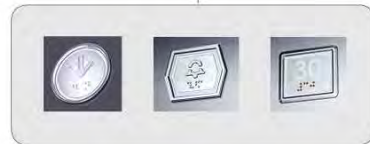
Hairline finished stainless steel face plate



7" LCD Display
Monochrome display



7" LCD Display
Colored display



Buttons above is applicable for all call button boxes
(Note: Integrated operating board is not presented)



4.3" LCD Display Call button box(optional)
HBPG326(Round button), HBPG328(Hexangular button), HBPG327(Square button)



4.3" LCD Display Call button box(optional)
HBPG326(Round button), HBPG328(Hexangular button), HBPG327(Square button)

Computer Drawing, May Vary from Actual Product



To build the world-class factory
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INTERIOR/EXTERIOR CAR

CALLING DESIGN



CBG320

CBG321

CBG322

CBG323

CBG324

CBG325



CBG313

CBG314

CBG315



HBG313



HBG314



HBG315

Note: If customer order these calling design (c.o.p and h.o.p), Please mark out display English word

***CBG313, CBG314, CBG315 with Chinese word sign, english word sign must choose CBG313-A, CBG314-A, CBG315-A



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HBG313-4.3 HBG314-4.3 HBG315-4.3



HBPG313-4.3(Round button),
HBPG314-4.3(Hexangular button),
HBPG315-4.3(Square button)



HBP314



HBP313



HBP315



HF300



To build the world-class factory
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NS Allocation sheet of the whole car and decorative top(standard: ● optional: ○)

Elevator Model	NS8400J	NS8400	NS8400K	NS8500	NS8700	NS8600	NS8600U
Whole car							
K016	●		●			●	
K007	○	●	○	●		○	●
K008	○	○	○	○		○	○
K031	○						
K017			○				
K018			○				
K019					●		
K020					●		
K021					●		
K001		○		○			
K003		○		○			

Elevator Model	NS8400J	NS8400	NS8400K	NS8500	NS8700	NS8600	NS8600U
Decorative material for carbin							
RAL1013 powder coated	●	●	●	●		●	●
RAL6019 powder coated	○	○	○	○		○	
RAL6027 powder coated	○	○	○	○		○	
RAL7004 powder coated	○	○	○	○		○	
Hairline finished stainless steel	○	○	○	○	●	○	○
Mirror finished etched stainless steel	○	○		○			
Mirror finished stainless steel MJM-001		○		○	●		
Ti-gold mirror finished stainless steel MJM-002							
Mirror finished etched stainless steel MSK-001							
Mirror finished etched stainless steel MSK-009							

Elevator Model	NS8400J	NS8400	NS8400K	NS8500	NS8700	NS8600	NS8600U
Car ceiling							
PS001	●		●			●	
PS002	●		●			○	
PD013	○		○				
PD015	○	○	○	○	○		
PD016	○	●		●	○		
PD053			○				
PD055			○				
PD056			○				
PD057					●		
PD058					●		
PD059					●		
PD017		○		○			
PD018		○		○			
PD038		○		○		○	
PD065						○	■
PD007				○			

Elevator Model	NS8400J	NS8400	NS8400K	NS8500	NS8700	NS8600	NS8600U
Floor							
SJ-011 Plastic	●	●	●	●		●	●
MA-050 Plastic	○		○			○	
SJ-019 Plastic					●		
SJ-020 Plastic					○		
SJ-002A		○		○	○		
SJ-004 Plastic		○		○	○		
SJ-008 Plastic		○		○	○	○	
MA-026 Plastic		○		○	○		
MA-018 Plastic	○	○	○	○	○		
MA-019 Plastic		○		○	○		
MA-021 Plastic		○		○	○		
MA-023 Plastic	○	○	○	○	○		
MA-025 Plastic	○	○	○	○	○		
DLS-012		○		○			
DLS-013		○		○			



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NS Allocation sheet of the whole car and suspension ceiling(standard: ● optional: ○)

Car operating board	Elevator Model						
	NS8400J	NS8400	NS8400K	NS8500	NS8700	NS8600	NS8600U
CBG306-A	●						
CBG320-A	○						
CBG321-A	○						
CBG313-A	○						
CBG314-A	○						
CBG315-A	○						
CBG306		●	●	●			●
CBG100		○	○	○			○
CBG313					●		
CBG314					○		
CBG315					○		
CBG320						●	
CBG321						●	
CBG322						●	
CBG323						○	
CBG324						○	
CBG325						○	

Handrail	Elevator Model						
	NS8400J	NS8400	NS8400K	NS8500	NS8700	NS8600	NS8600U
BLT-005	○	○	○	○	●	○	
BLT-006	○	○	○	○		○	
BLT-007	○	○	○	○		○	
BLT-009	○	○	○	○		○	
BLT-011	○	○	○	○		○	
BLT-012	○	○	○	○		○	

Call button box Transverse display hall lantern	Elevator Model						
	NS8400J	NS8400	NS8400K	NS8500	NS8700	NS8600	NS8600U
HBG317	●				●	●	
HBG318						●	
HBG319						●	
HBPG317	●				●	●	
HBPG318						●	
HBPG319						●	
HBG313					○	○	
HBG314						○	
HBG315						○	
HBPG313					○	○	
HBPG314						○	
HBPG315						○	
HBG326						○	
HBG328						○	
HBG327						○	
HBPG326						○	
HBPG327						○	
HBPG328						○	
HB313	○				○	○	
HB314						○	
HB315						○	
HBG313-4.3(Round button)	○						
HBG314-4.3(Hexangular button)	○						
HBG315-4.3(Square button)	○						
HBPG313-4.3(Round button)	○						
HBPG314-4.3(Hexangular button)	○						
HBPG315-4.3(Square button)	○						
HG317	○				○		
HD001	○	○	○	○			○
HD002	○	○	○	○			○
HD003	○	○	○	○			○
HG101(for HB306、CBG306)		○	○	○			○
HG100		○	○	○			○
HB306		○	○	○			○
HB100		○	○	○			○
HBG306		●	●	●			●
HBPG306		●	●	●			●
HBG100		○	○	○			○
HBPG100		○	○	○			○
HF101		○	○	○			○
HF100		○	○	○			○
HF300					○		
HF300-A	○						



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STANDARD FUNCTIONS OF

BLT ELEVATOR FOR MPK 708C& MPK808

- 1 Full collective selective control**
Automatic control mode by analyzing signals from every landing call in the up and down direction and car call.
- 2 Attendant travel**
Auto-directional, attendant-directional, non-auto-close door design (attendant to push close button for closing, release the button before fully closed to automatic reopen),bypass.
- 3 Motor jammed and overheat protection**
The system monitors whether the motor is jammed or overheated, the elevator will stop until the motor recovered to normal condition.
- 4 Main circuit contactor protection**
Circuit protection of the contact in the main circuit contactor, car travel will be stopped if in fault condition.
- 5 Door auto-open when arrival**
Car door will auto-open when the elevator arrives at the destination floor.
- 6 Independent travel**
All landing call signals are cancelled, elevators only respond to the car call.
- 7 Special display**
The system is able to set the display pattern if abnormal landing floor sequence is requested by the customer.
- 8 Hall call registration and memory display**
When the hall call button is pushed, the button illuminates for call accepted.The elevator will start traveling.
- 9 Travel direction and floor scrolling message display**
Car operating panel and call board have a dot-matrix display for floor and scrolling display for travel direction.
- 10 Fault history record**
The system can record 50 recent faults.
- 11 Door open with floor button**
When the car door is closing or has been closed, and elevator doesn't start, push the button on this floor, the car door will be opened automatically.
- 12 Full car bypass**
When under full load, elevator does not respond to hall call signals from the passing floor and only respond to the car call signals.
- 13 Door holding time automatic**
Door will remain open for several seconds before close automatically. The time delay can be set in the system.
- 14 Call reversal registration**
The call will be registered if the call direction of this floor is not in the travel direction.
- 15 In car Fault Command Cancellation *****
Fault command can be cancelled by continuously pressing the fault command twice before the elevator start.
- 16 Door auto-open when unlocking**
When unlocking, car door will be opened automatically if elevator is at the door opening zone.
- 17 Underground floor setting**
Underground floors can be set by using operating keys.
- 18 Automatic car light and ventilation fan shut off**
If no call or call registration is registered after three minutes, car light and fan are automatically shut off. If call is received, light and fan are switched on again.
- 19 Non-leveling zone automatic leveling**
When elevator is under normal service and doesn't stop at the leveling zone, elevator will move to the leveling zone with slow speed as long as it meets the safety requirements of starting.
- 20 Car overload indicator**
When car is overloaded, overload light on car operating panel is on and buzzer sounds.
- 21 Lock service**
In full automatic travel, if the lock switch is actuated, all call registered will be cancelled, but the elevator is still traveling normally only responding to car calls until all calls registered are eliminated. Then it will return to home landing floor, shut off the car light and the door will close automatically and stop the elevator. The elevator will start to travel again after the lock switch is reset.

STANDARD FUNCTIONS OF

BLT ELEVATOR FOR MPK 708C& MPK808

- 22 Full car bypass indicator**
Landing indicator shows it is in the state of bypass.
- 23 Terminal offside prevention**
Protection switches are at the two terminals, and if actuated, the system will shut down the elevator for safety.
- 24 Speed monitoring**
The system monitors travel speed of the elevator constantly in order to prevent over-speed or abnormal speed etc.
- 25 Anti-stall protection**
The elevator will stop when hoist rope slippage is detected.
- 26 Door zone limit protection**
Car will be stopped traveling if system detects that hall door or car door has been opened when not in door opening zone.
- 27 Door interlock safety protection**
Elevator would stop when system found the safety circuit of door interlock break.
- 28 Light curtain protection**
When the light curtain is covered, the door will open again. Doors will not close whilst obstruction in the way.
- 29 Terminal floor data correction**
System will automatically correct floor data when elevator arrives at terminal landing floor.
- 30 Fault stop, self-rescue**
When elevator breaks down with emergency stop in non-opening zone, the elevator will creep to the nearest floor, and open the door after leveling.
- 31 Closing fault automatic protection**
Under non-inspection status, the door locks are not joining properly, the door will open and close again. If the problem continues, repeat the open and close motion. The number of repetition can be set by software and if the number is exceeded, the door will remain open. If the close button is then pressed, the attempt continues.
- 32 Program run WDT protection**
WDT detects continuously if the program runs incorrectly, and all output resetting system will be cut out when mistakes are found.
- 33 Power failure data holding**
All running data will be saved when power cut.
- 34 Stop setting**
Whether the elevator stops at certain floor can be set.
- 35 Learning function**
Use the learning function of the system to check data of well (hall height, protection switch location, slow-down switch location etc.) and save these data permanently before the elevator starts traveling.
- 36 Automatic main floor returning**
Under automatic travel, the elevator will return to the main floor waiting if there is no car call or hall call for a period of time. The elevator will respond to any call immediately during the process of returning to the main floor.
- 37 Fault self-diagnostic function**
The system self fault find and record fault codes based on the signals collected by its self-diagnostic system.
- 38 Intercom**
Intercom button on the car operation panel, a five way communication device linking the top of the car, the car, the pit, the machine room, and the surveillance room.
- 39 Emergency car lighting supply**
Emergency lighting will turn on automatically during power cut.
- 40 Landing Indicator**
Landing indicator shows the (inspection) status of elevator.
- 41 Door interlock safety protection**
Under automatic travel, elevator would stop and send out alarm message when system found the safety circuit of door interlock break. The elevator will operate only after the fault is eliminated.
- 42 In car command anti-nuisance**
In car command will be cancelled if the following conditions are detected: 1) more than 1 in car command buttons are selected; the system will not register the command if the command buttons are hit continuously within 0.5 seconds. 2) Opposite direction of the furthest floor cancellation.
- 43 Calling button anti-stuck**
The system will ignore the calling button if the button is stuck for over 30 seconds until the fault is eliminated without affecting the normal operation of the elevator.

***: Only for MPK708C system



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OPTIONAL FUNCTIONS OF

BLT ELEVATOR FOR MPK 708C

1 Fireman service operation

When fireman's switch is set (non-inspection), the elevator shall return to firefighting main floor. All calls are cancelled. If elevator is traveling in opposite direction, it should stop at the nearest landing with doors close. Then it shall return to the main floor with doors open. Only register the internal command signal. Doors do not automatically close while in fire service. The longest traveling time shall be less than 60s (standard function).

2 Fire emergency travel*3

The signal comes from the fire sensor or other detection devices in building. When control system is actuated by fire signal, each elevator shall return to the designated fire escape floor immediately and park with doors open.

3 Firefight feedback

When elevator receives the fire alarm signal or fireman service signal, it will return to the firefight floor. Interfacing with fire-service center or BAS system if *3 should be chosen, this function must be given.

4 Car firefighting indication

Operation panel in the car displays the operation of an elevator under fire fighting condition.

5 Earthquake emergency travel

When the seismic sensors are actuated, all elevators will stop promptly at the nearest available floor and park there with doors open.

6 Door nudging

Door opens when elevator receives any block between the infrared curtains. If the blockage is over 1 minute, door will close smoothly with buzzing.

7 Light curtain and safety edge protection

When the light curtain and safety edge operate, the door will open again. The door will not close, until the action is over.

8 Car arrival chime

When elevators slow down, arrival chime will inform the passengers in car or passengers waiting outside that this elevator will be arriving.

9 Alarm bell

When the elevator malfunctions or power is off, pushing the alarm bell button will sound the alarm in the well, machine room or hall.

10 Auxiliary car operation panel

This panel can be used in large-capacity elevators or elevators in crowded building so that passengers in the car can get easier access to the panels.

11 Operation panel for the disabled

Used by passengers sitting in a wheelchair or passengers with visual impairments.

12 Load weighing device *1

An electronic weighing device, which accurately measures the car capacity.

13 Load compensating function *1

Before the elevator moves, the weighing device checks the car weigh to make the startup more stable.

14 Light load anti- nuisance function *1

The number of car calls registered at the same time is limited during light load.

15 Emergency leveling device when power cut

During power cut, the standby power supply will drive the elevator to make it travel to the leveling position and open the door.

16 Emergency power supply function

If the standby power supply is in operation, after elevator system is actuated, the elevator returns to the main landing after leveling and stays open there.

In the state of group control or duplex control, when the normal power is cut and supplied by standby, the elevator could run to main landing according to a pre-established sequence. It can be set to whether elevator shall keep on serving or not. Automatic transfer device of standby power supply is provided by other. *4 include this function.

17 Emergency power operation transfer device *4

A standby power transfer device is provided.

18 Voice announcement system

Voice announcement system sounds to indicate the arrival of car to passengers.

OPTIONAL FUNCTIONS OF

BLT ELEVATOR FOR MPK 708C

19 IC card control function

All or part of landings should be authorized to control elevator's travel by inputting instructions through IC card. 1 car run directly after swiping the card 2/reselection for destination floor on COP is needed after swiping the card

20 Video camera pre-interface

Coaxial communication cable included in traveling cable. *5 include this function.

21 Video supervisory electronic camera *5

An electronic camera is mounted in the car monitoring lift car activity.

22 Background music function

Car background music provided when elevator is operating.

23 Community monitoring

One or more elevators can be monitored by the monitoring center.

24 Remote monitoring

Elevators monitored by remote monitoring center through MODEM and telephone cables.

25 Open-through function

Lift car with two car doors, open the doors synchronously on the same floor, or open one door or the other one according to the floor number, so the passengers could enter the car from different directions.

26 Duplex control

Two elevators or more shall coordinate to respond to landing calls making sure that two cars do not respond synchronously to one call.

27 Pre-open

Elevator starts to open the doors before leveling.

28 Automatic re-leveling

The function will be actuated if the lift is in the door zone but outside the re-leveling zone.

29 Group control function *2

Group control function can control up to eight elevators. Elevators are distributed according to the principle of running efficiency.

30 On duty time service on rush hour *2

When the main floor up direction travel is very busy, (peak time) the system will send lift to the bottom floor continuously to improve service and efficiency.

31 Off duty time service on rush hour *2

When the main floor down direction travel is very busy, (peak time) the system will send lift to the top floor continuously to improve service and efficiency.

32 Preferential landing service *2

Elevator will send the nearest car to the calling floor, while responding to the call.

33 Group emergency power operation *2

When the group control function fails due to CPU fault or group communication fault. The lift will operate on simplex mode.

34 Decentralized off line function *2

In group control, when the passenger flow volume is reduced, each elevator is stacked on various floors in order to respond in time when there is call, and reduce the waiting time.

35 Landing Light*2

Under group control, the landing lights will indicate the arrival of the elevator and the traveling direction.

Note:

*1 Optioned with electrical Load weighing device

*2 Optioned with group Control



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OPTIONAL FUNCTIONS OF

BLT ELEVATOR FOR MPK 808

1 Fire service operation

When fireman switch is set (non-inspection), the elevator shall return to firefighting main floor. All calls are cancelled. If elevator is traveling in the opposite direction, it should stop at the nearest landing with doors closed. Then it shall return to the main floor with doors open. Only car calls can be registered. Doors do not close while in fire service mode.

2 Fire fighting interlock

When fireman switch is set or fire alarm signals are received by the fire center, the elevator shall return to firefighting main floor. All calls are cancelled. If elevator is traveling in opposite direction, it should stop at the nearest landing with doors closed. Then it shall return to the main floor with doors open and respond to car calls only. Feedback interface between fire-fighting center shall be provided at the same time.

3 Car fire fighting indication

Operating panel in the car displays the operation of an elevator under fire fighting condition. If Item 3 function is chosen, this function is standard.

4 Earthquake emergency travel

When the seismic sensors are actuated, all elevators will stop promptly at the nearest available floor and park there with doors open.

5 Light curtain and safety edge protection

When the light curtain and safety edge operate, the door will open again. The door will not close, until the action is over.

6 Car arrival chime

When elevator slows down, lift car arrival chimes will inform the passengers in car or passengers waiting outside that this elevator is arriving.

7 Alarm bell

When the elevator malfunctions or power is off, pushing the alarm bell button, will sound the alarm bell installed in the shaft, machine room or hall.

8 Auxiliary car operation panel

This panel can be used in large-capacity elevators or elevators in crowded building so that passengers in the car can get easier access to the floor buttons.

9 Operation panel for the disabled

Used by passengers sitting in a wheelchair or passengers with reduced mobility or visual impairments.

10 Light curtain protection

When the light curtain is covered, the door will open. If the obstruction remains, the door will not close.

11 Load weighing device *1

An electrical load weighing device, which accurately measures the car capacity.

12 Start the load compensating function *1

Before the elevator moves, the weighing device checks the car weight to make the startup more stable

13 Light Load Anti- nuisance function *1

The number of car calls registered at the same time is limited during light load.

OPTIONAL FUNCTIONS OF

BLT ELEVATOR FOR MPK 808

14 Emergency leveling device when power cut

During power cut, the standby power supply will drive the elevator to make it travel to the leveling position and open the door.

15 voice announcement system

Voice announcement system sounds to indicate the arrival of car to passengers.

16 IC card control function

All or part of landings should be authorized to control elevator's travel by inputting instructions through IC cars.

17 Video supervisory electronic camera

An electronic camera is mounted in the car to monitor activity in the car.

18 Background music function

Music is played inside the car when elevator is moving.

19 Community monitoring

One or more elevators in the group will be monitored by the monitoring center.

20 Remote monitoring

Elevators are monitored by remote monitoring center through MODEM and telephone, alarm signals will be sent to remote monitoring center when required.

21 Open-through function

Car with two car doors, open the doors synchronously on the same floor, or open one door or the other one according to the floor number, so the passengers could enter the car from different direction.

22 Duplex control

Two elevators or more respond for landing call, making sure that two cars will not respond to one call, in order to improve efficiency.

23 Pre-opening

Elevator starts to open the doors before leveling.

24 Automatic re-leveling

The function will be actuated if the lift is in the door zone but outside the re-leveling zone.

25 Group control function *2

Group control function can control up to eight elevators. Elevators are dispatched according to the principle of running efficiency.

26 On duty time service on rush hour *2

When the main floor up direction travel is very busy, (Peak time) The system will send lift to the bottom floor continuously to improve service and efficiency.

27 Off duty time service on rush hour *2

When the main floor down direction travel is very busy, (Peak time) The system will send lift to the top floor continuously to improve service and efficiency.

28 Preferential landing service

Elevator will send the nearest car to the calling floor, when responding to the call.

*1 Electrical load weighing device.

*2 Group control function.

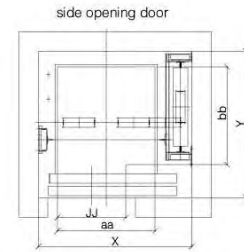
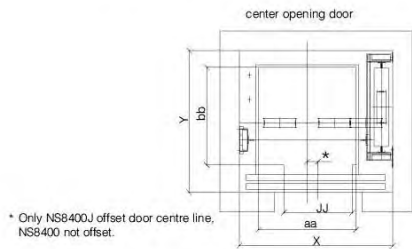
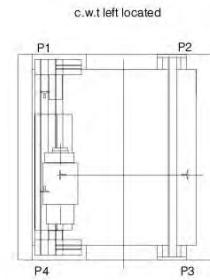
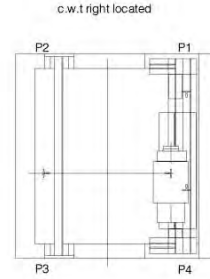
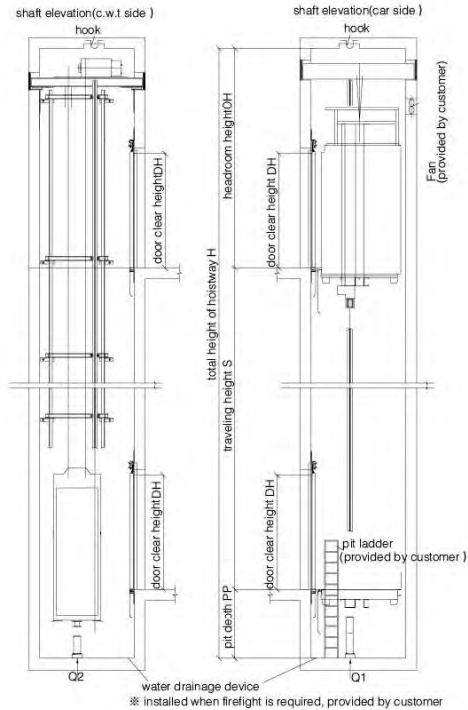


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PLANFORM OF

HOISTWAY/MACHINE ROOM

NS8400J/NS8400



NS8400J

Rated load (kg)	Rated speed (m/s)	Car dimension aa × bb	Door width (widthJJ × highDH)	Shaft dimension (X × Y)	Reaction of supports of shaft top and pit (KN)					
					P1	P2	P3	P4	Q1	Q2
400	1.0~1.75	1000 × 1000	CO700 × 2100	1550 × 1450	34	9	9	29	48	37
		1000 × 1000	2S700 × 2100	1450 × 1700						
450	1.0~1.75	1000 × 1200	CO700 × 2100	1550 × 1550	39	11	11	33	60	49
		1000 × 1200	2S800 × 2100	1650 × 1700						
630	1.0~1.75	1100 × 1400	CO800 × 2100	1750 × 1750	43	13	13	37	66	53
		1100 × 1400	2S800 × 2100	1650 × 1800						
800	1.0~1.75	1350 × 1400	CO800 × 2100	1950 × 1750	48	15	15	41	112	76
		1350 × 1400	2S900 × 2100	1900 × 1800						
1000	1.0~1.75	1600 × 1400	CO900 × 2100	2150 × 1750	48	15	15	41	112	76
		1600 × 1400	2S900 × 2100	1700 × 2500						
		1100 × 2100	CO800 × 2100	1750 × 2450						
		1100 × 2100	2S900 × 2100	1700 × 2500						
		1400 × 1600	CO900 × 2100	2000 × 1950						

Rated load (kg)	Rated speed (m/s)	Max traveling height (m)	power capacity (KVA)	Pit depth PP(mm)	Top landing height OH(mm)	
					simple ceiling *	160mm thick car ceiling
400-450	1.0	60	6.5	1400	3600	3800
	1.6	80	8.5	1450	3750	3950
	1.75	80	9	1500	3800	4000
630	1.0	60	7.5	1400	3600	3800
	1.6	80	10.5	1450	3750	3950
	1.75	80	11	1500	3800	4000
800	1.0	60	8.5	1400	3600	3800
	1.6	80	12	1450	3750	3950
	1.75	80	13	1500	3800	4000
1000	1.0	60	10	1400	3600	3800
	1.6	80	14	1450	3750	3950
	1.75	80	15	1500	3800	4000

The simple ceiling * : only applicable for PS001,PS002

NS8400

Rated load (kg)	Rated speed (m/s)	Car dimension aa × bb	Door width (widthJJ × highDH)	Shaft dimension (X × Y)	Reaction of supports of shaft top and pit (KN)					
					P1	P2	P3	P4	Q1	Q2
1150	1.0~2.0	1700 × 1500	1000 × 2100	2450 × 1950	56	20	19	49	112	89
		1800 × 1450	1000 × 2100	2520 × 1950	55	18	20	51	112	89
1275	1.0~2.0	1400 × 2000	1000 × 2100	2320 × 2400	60	20	20	52	121	95.5
		1500 × 2000	1000 × 2100	2350 × 2400	63.5	21	21	55	128	101
1350	1.0~2.0	2000 × 1500	1100 × 2100	2720 × 2100	58.5	19.5	23	60	128	101
		1750 × 2000	1100 × 2100	2600 × 2400	74.5	25.5	25	64	152	120
1600	1.0~2.0	2100 × 1600	1100 × 2100	2820 × 2100	72	26	24	66.5	152	120

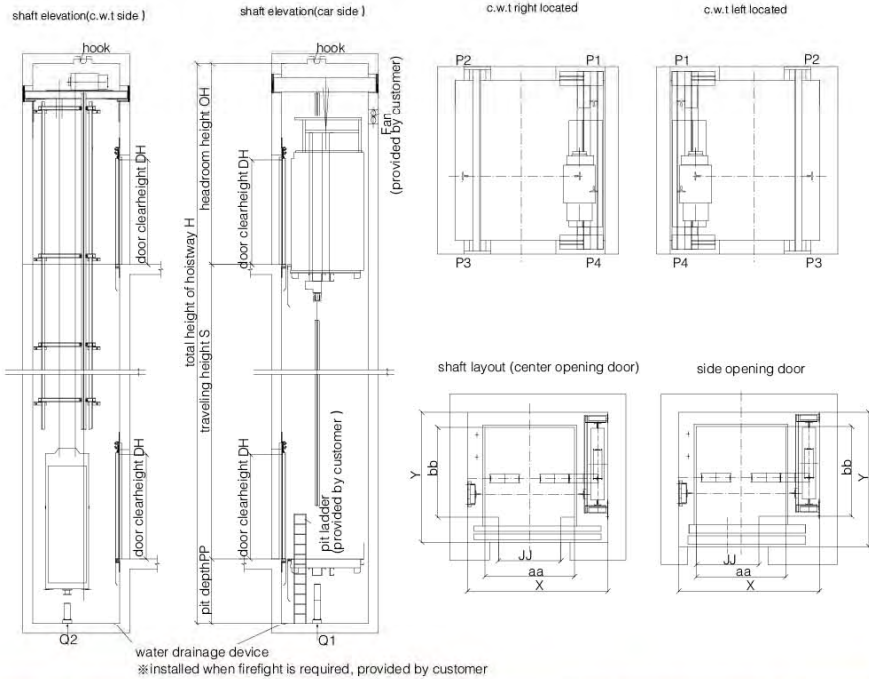
Rated load (kg)	Rated speed (m/s)	Max traveling height (m)	power capacity (KVA)	Pit depth PP(mm)	Top landing height OH(mm)	
					simple ceiling *	160mm thick car ceiling
1150	1.0	60	11	1400	4250	
	1.6	90	16	1500	4400	
	1.75	90	17	1600	4500	
1275	1.0	60	12	1400	4250	
	1.6	90	18	1500	4400	
	1.75	90	19	1600	4500	
1350	1.0	60	13	1400	4250	
	1.6	90	19	1500	4400	
	1.75	90	20	1600	4500	
1600	1.0	60	15	1400	4250	
	1.6	90	21	1500	4400	
	1.75	90	23	1600	4500	
	2.0	90	26	1600	4600	



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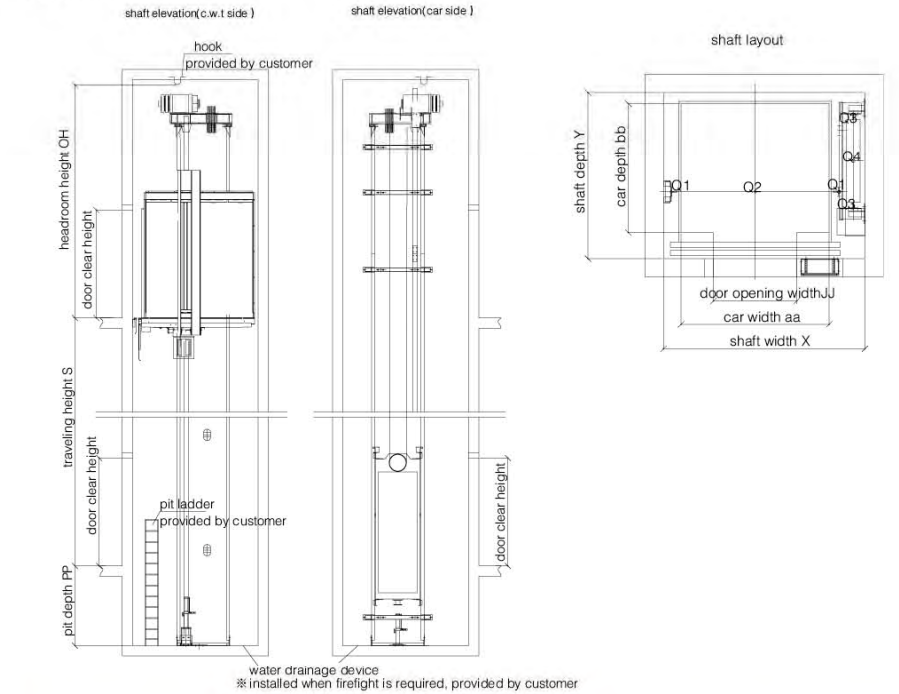
PLANFORM OF HOISTWAY/MACHINE ROOM

NS8400K



PLANFORM OF HOISTWAY/MACHINE ROOM

NS8500



Rated load (kg)	Rated speed (m/s)	Car dimension aa × bb	Door width (width JJ × high DH)	Shaft dimension (X × Y)	Reaction of supports of shaft top and pit (KN)					
					P1	P2	P3	P4	Q1	Q2
630	1.0-1.75	1100 × 1400	25800 × 2100	1650 × 1800	39	11	11	33	60	49
		1200 × 1500	25900 × 2100	1550 × 1650						
800	1.0-1.75	1350 × 1400	25900 × 2100	1900 × 1800	43	13	13	37	66	53
			CO800 × 2100	1900 × 1750						

Rated load (KG)	Rated speed (M/S)	Car dimension aa × bb	Door width (width JJ × high DH)	Shaft dimension (X × Y)	Reaction of supports of shaft top and pit (KN)			
					Q1	Q2	Q3	Q4
630	1.0-1.75	1100 × 1400	CO800 × 2100	1825 × 1800	31.5	7.5	25	66
800	1.0-1.75	1350 × 1400	CO800 × 2100	1950 × 1800	34	8.5	27	72
1000	1.0-1.75	1600 × 1400	CO900 × 2100	2175 × 1800	37	9.9	29	79

Rated load (kg)	Rated speed (m/s)	Max traveling height (m)	power capacity (KVA)	Pit depth PP(mm)	Top landing height OH(mm)		
					simple ceiling * 80mm thick car ceiling	160mm thick car ceiling	
630	1.0	60	7.5	1450	3650	3700	3800
	1.6	80	10.5	1550	3800	3850	3950
	1.75	80	11	1600	3850	3900	4000
800	1.0	60	8.5	1450	3650	3700	3800
	1.6	80	12	1550	3800	3850	3950
	1.75	80	13	1600	3900	3850	4000

The simple ceiling * : only applicable for PS001,PS002

Rated load (kg)	Rated speed (m/s)	Max traveling height (m)	power capacity (KVA)	Pit depth PP(mm)	Top landing height OH(mm)	
630	1.0	60	8	1400	4300	
	1.6	80	10	1450	4450	
	1.75	80	11	1550	4500	
800	1.0	60	9	1400	4300	
	1.6	80	12	1450	4450	
	1.75	80	13	1550	4500	
1000	1.0	60	10	1400	4300	
	1.6	80	14	1450	4450	
	1.75	80	15	1550	4500	

The simple ceiling * : only applicable for PS001,PS002

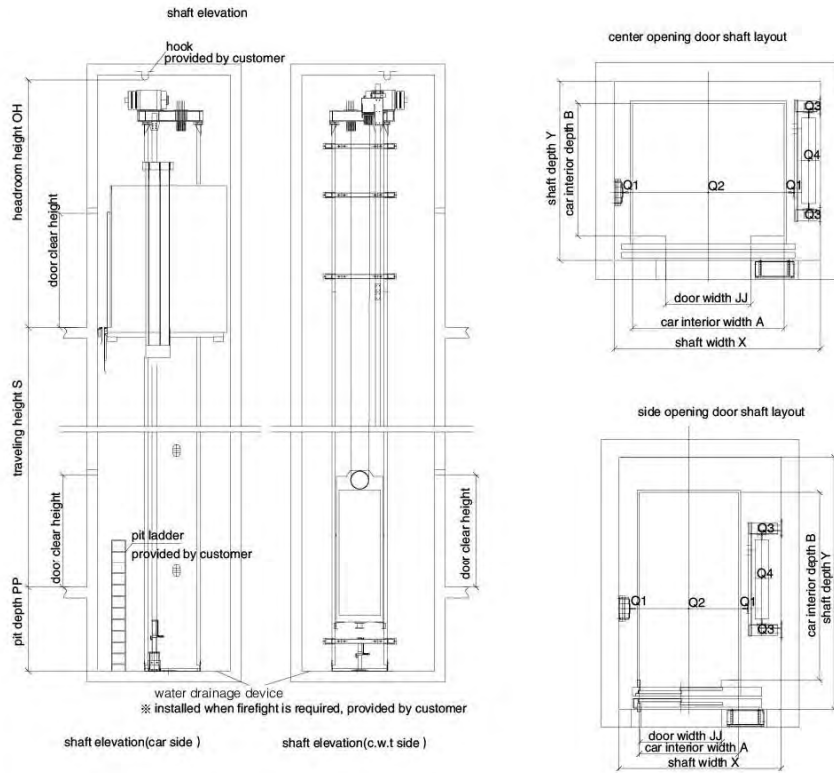


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HOISTWAY/MACHINE ROOM

NS8700



Rated load (Kg)	Rated speed (m/s)	Door width JJ (mm)	Car dimension A×B (mm)	Shaft dimension X×Y (mm)	Pit support reaction			
					Q1(N)	Q2(N)	Q3(N)	Q4(N)
630	1.0 1.6 1.75	CO 800×2100	1100×1400	1825×1750	31500	78000	25000	66000
800	1.0 1.6 1.75 2.0	CO 800×2100	1350×1400	1950×1750	34000	88000	27000	72000
1000	1.0 1.6 1.75 2.0	CO 900×2100	1600×1400	2175×1750	37000	99000	29000	79000
		CO 900×2100	1100×2100	2000×2450				
		2S 900×2100	1100×2100	1800×2500				

load (Kg)	speed (m/s)	Max traveling height (m)	power capacity (KVA)	Pit depth PP (mm)	headroom height oh (mm)
630	1.0	60	8	1400	4450
	1.6	80	10	1450	4600
	1.75	80	11	1550	4650
800	1.0	60	9	1400	4450
	1.6	80	12	1450	4600
	1.75	80	13	1550	4650
1000	2.0	90	14	1600	4750
	1.0	60	10	1400	4450
	1.6	80	14	1450	4600
	1.75	80	15	1550	4650
	2.0	90	17	1600	4750

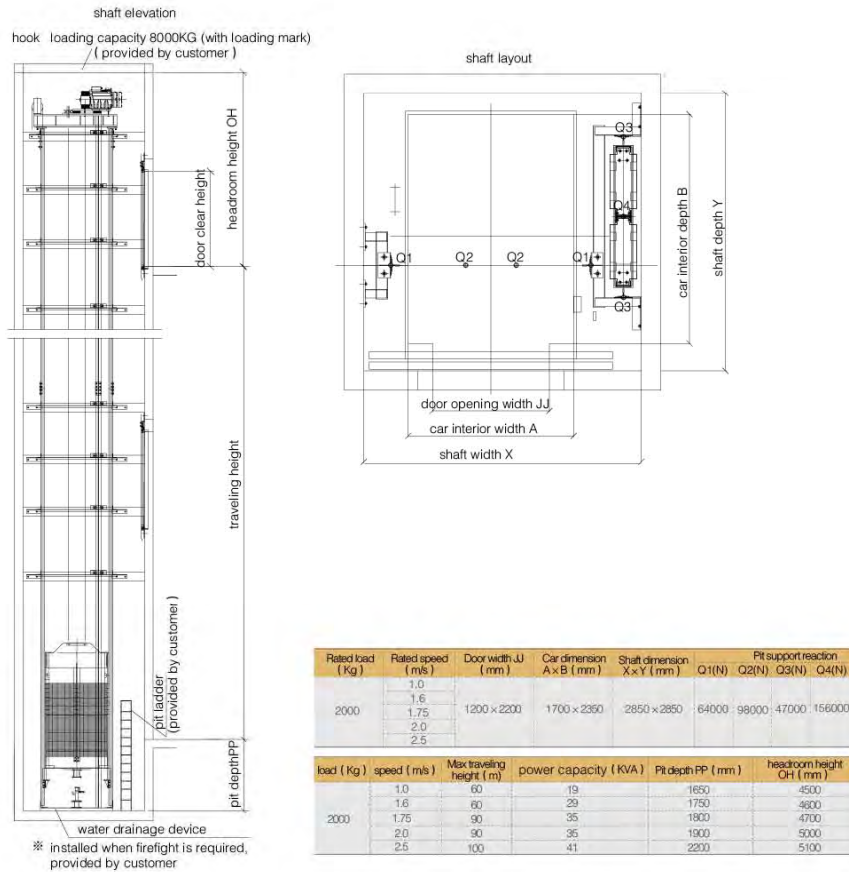


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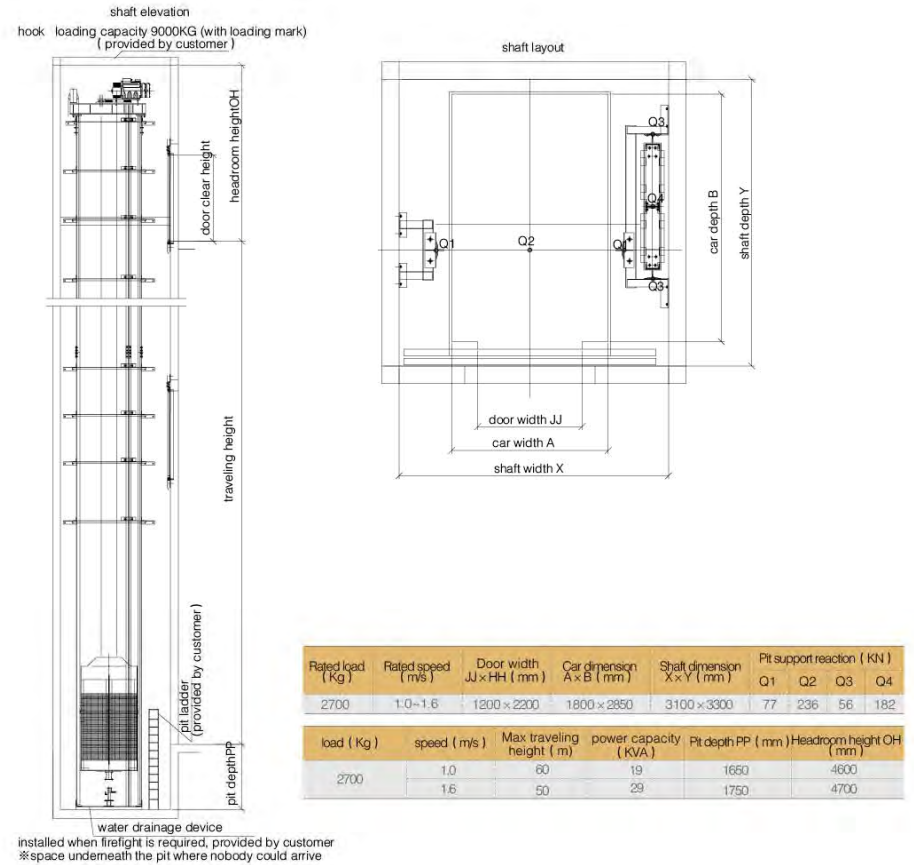
NS8600U(2000kg)



PLANFORM OF

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NS8600U(2700kg)



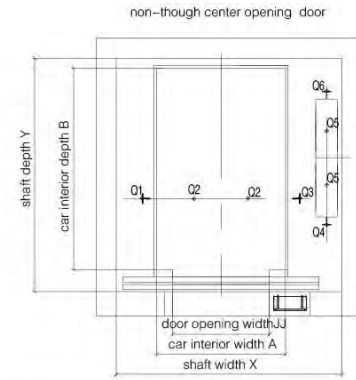
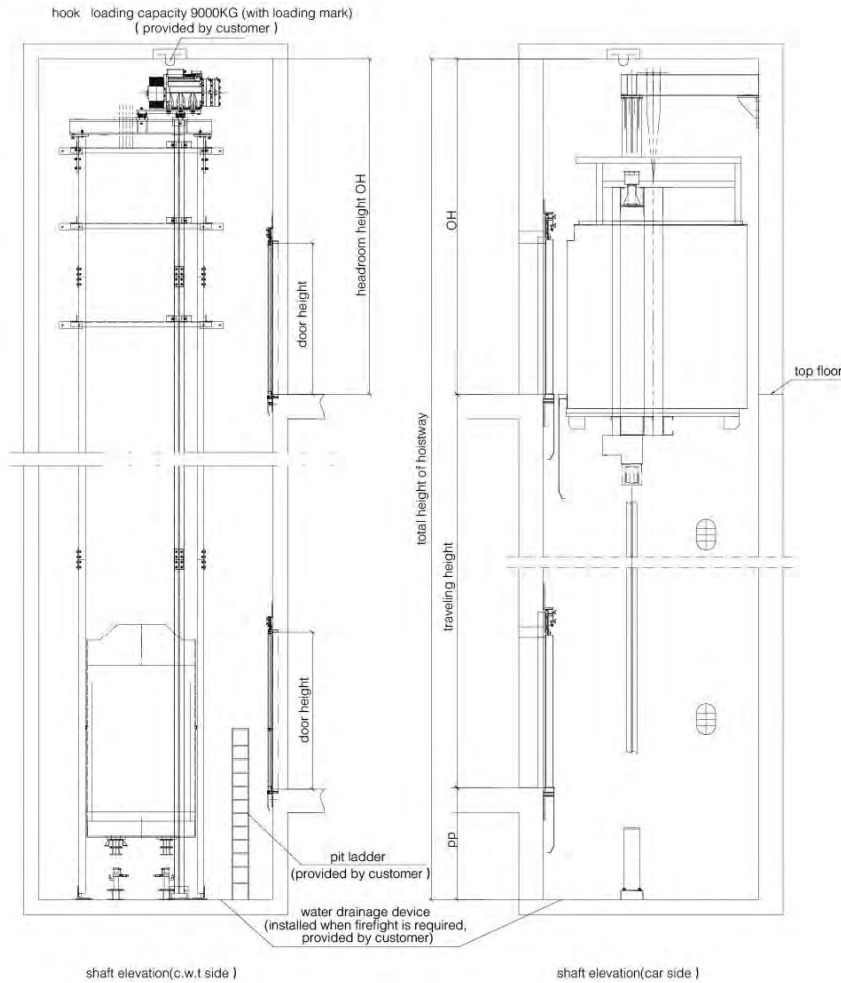


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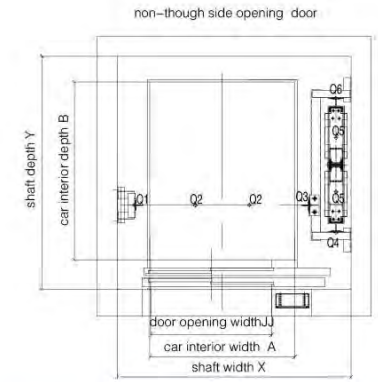
PLANFORM OF

HOISTWAY/MACHINE ROOM

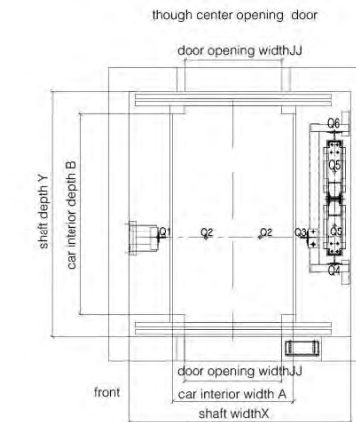
NS8600



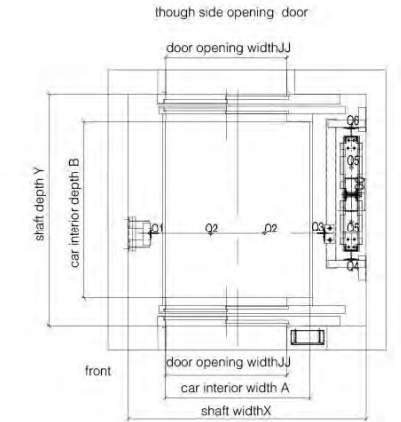
Rated load (Kg)	Rated speed (m/s)	Door width J (mm)	through or not	car dimension (mm) interior (A x B)	shaft dimension (mm) min. dimension (X x Y)
1800	1.0-1.6	center-opening 1200	non-through	1500 x 2500	2750 x 2900
2000	0.5-1.6	center-opening 1200	non-through	1600 x 2500	2800 x 2900
2000	0.5-1.6	center-opening 1200	non-through	1800 x 2200	2900 x 2850
2700	0.5-1.0	four panels center-opening 1600	non-through	2000 x 2550	3200 x 3100



Rated load (Kg)	Rated speed (m/s)	Door width J (mm)	through or not	car dimension (mm) interior (A x B)	shaft dimension (mm) min. dimension (X x Y)
1800	1.0-1.6	two panels side opening 1300	non-through	1500 x 2500	2600 x 3000
2000	0.5-1.6	two panels side opening 1300	non-through	1800 x 2200	2900 x 2750
2700	0.5-1.0	two panels side opening 1500	non-through	2000 x 2550	3100 x 3050



Rated load (Kg)	Rated speed (m/s)	Door width J (mm)	through or not	car dimension (mm) interior (A x B)	shaft dimension (mm) min. dimension (X x Y)
1800	1.0-1.6	center-opening 1200	through	1500 x 2500	2750 x 3080
2000	1.0-1.6	center-opening 1200	through	1600 x 2500	2800 x 3080
2000	1.0-1.6	center-opening 1200	through	1800 x 2200	2900 x 2780
2700	0.5-1.0	four panels center-opening 1600	through	2000 x 2550	3200 x 3360



Rated load (Kg)	Rated speed (m/s)	Door width J (mm)	through or not	car dimension (mm) interior (A x B)	shaft dimension (mm) min. dimension (X x Y)
1800	1.0-1.6	two panels side opening 1300	through	1500 x 2500	2600 x 3252
2000	1.0-1.6	two panels side opening 1500	through	1800 x 2200	2900 x 2852
2700	0.5-1.0	two panels side opening 1500	through	2000 x 2550	3100 x 3302

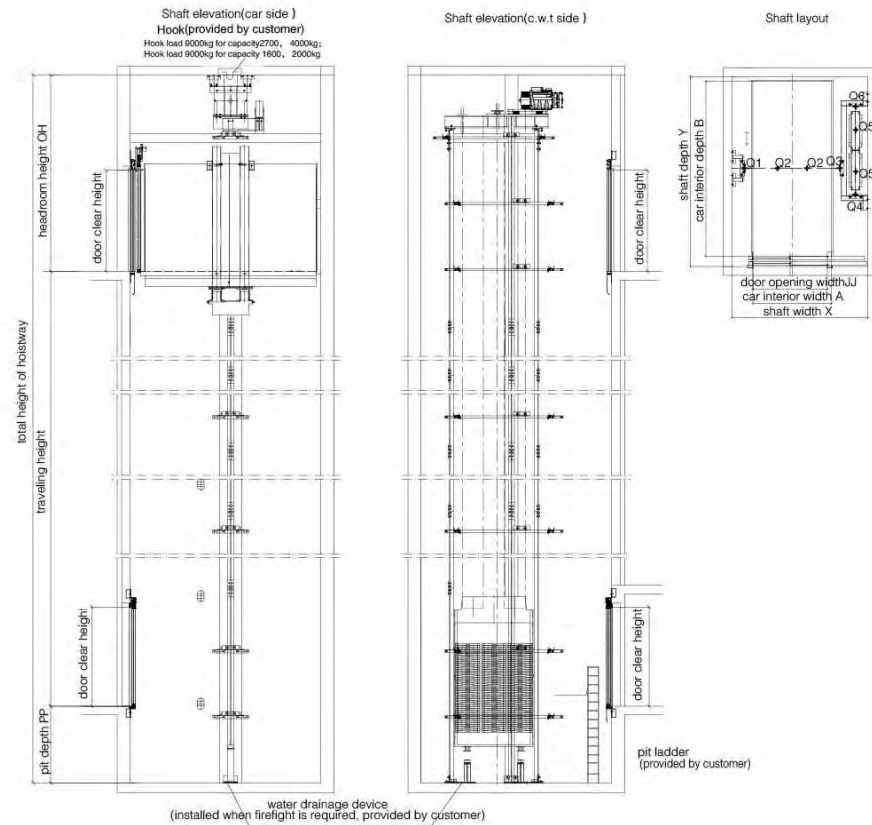


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Door type	Rated load (Kg)	Rated speed (m/s)	Door width JJ (mm)	car dimension interior(A × B)	shaft dimension interior(A × B)	Pit support reaction (KN)					
						Q1	Q2	Q3	Q4	Q5	Q6
non-though center opening door	1800	1.0-1.6	center-opening 1200	1500 × 2500	2750 × 2900	85	195	78	62	155	75
	2000	0.5-1.6	center-opening 1200	1600 × 2500	2800 × 2900						
			four panels center-opening 1600	1600 × 2500	2850 × 3050						
non-though side opening door	2700	0.5-1.0	four panels center-opening 1600	2000 × 2550	3200 × 3100	66	235	85	65	180	75
	1800	1.0-1.6	two panels side opening 1300	1500 × 2500	2600 × 3000	65	195	78	62	155	75
	2000	0.5-1.6	two panels side opening 1500	1800 × 2200	2900 × 2750						
	2700	0.5-1.0	two panels side opening 1500	2000 × 2550	3100 × 3050	66	235	85	65	180	75
	1800	1.0-1.6	center-opening 1200	1500 × 2500	2750 × 3060	65	195	78	62	155	75
2000	0.5-1.6	center-opening 1200	1600 × 2500	2800 × 3060							
		four panels center-opening 1600	1600 × 2500	2850 × 3310							
though center opening door	2700	0.5-1.0	four panels center-opening 1600	2000 × 2550	3200 × 3100	66	235	85	65	180	75
	1800	1.0-1.6	two panels side opening 1300	1500 × 2500	2600 × 3252	65	195	78	62	155	75
	2000	0.5-1.6	two panels side opening 1500	1800 × 2200	2900 × 2952						
	2700	0.5-1.0	two panels side opening 1500	2000 × 2550	3100 × 3302	66	235	85	65	180	75
	1800	1.0-1.6	center-opening 1200	1500 × 2500	2750 × 3060	65	195	78	62	155	75
2000	0.5-1.6	center-opening 1200	1600 × 2500	2800 × 3060							
		four panels center-opening 1600	1600 × 2500	2850 × 3310							

Rated load (Kg)	Rated speed (m/s)	Max traveling height (m)	power capacity(kVA)	pit depth PP(mm)	headroom height OH(mm)	headroom height OH (our panels center-opening 1600mm)
1800	1.0	45	14	1550	4650	4700
	1.6	60	21	1600	4800	4850
	0.5	25	13	1550	4600	4650
2000	1.0	45	19	1550	4650	4700
	1.6	60	29	1600	4800	4850
	0.5	25	19	1550	4600	4650
2700	1.0	45	29	1550	4650	4700

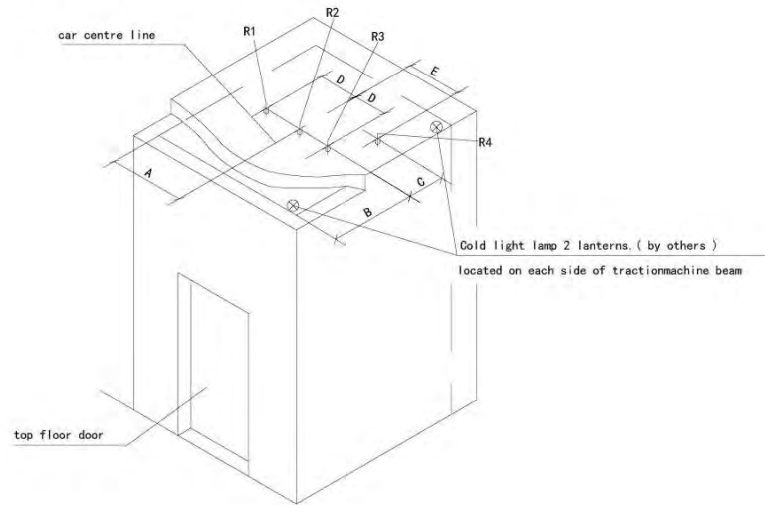
Door type	Rated load (Kg)	Rated speed (m/s)	Door width JJ (mm)	car dimension interior(A × B)	shaft dimension interior(A × B)	Pit support reaction (KN)					
						Q1	Q2	Q3	Q4	Q5	Q6
non-though side opening door	4000	0.5-1.0	two panels side opening 1700	1800 × 3000	3100 × 4350	105	170	105	82	130	82

Rated load (Kg)	Rated speed (m/s)	Max traveling height (m)	power capacity(kVA)	pit depth PP(mm)	headroom height OH(mm)
4000	0.5	25	20	1750	4500
	1.0	25	28	1750	4500



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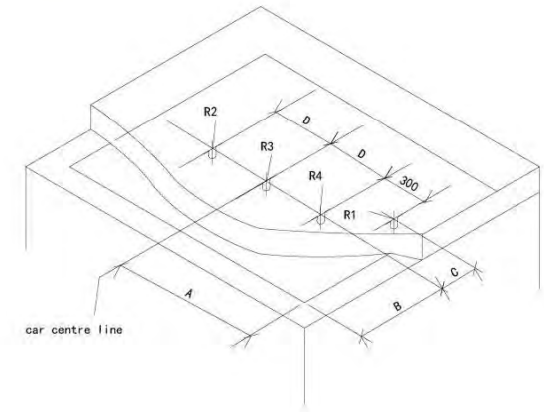
HOOK LOAD



NS8400

HOOK LOAD	CAR CAPACITY	CAPACITY (Kg)	SPEED (m/s)	DOOR J	CAR SIZE A x B	A	B	C	D	E
	1150kg-1600kg									
R1	1500Kg	1150	1.0	1000 x 2100	1700 x 1500	1090	755	400	800	1210
				1000 x 2100	1800 x 1450	1110	730	400	850	1260
R2	6000Kg	1275	1.6	1000 x 2100	1400 x 2000	1110	1005	400	650	1060
				1000 x 2100	1500 x 2000	1090	1005	400	700	1110
R3	1500Kg	1350	1.75	1100 x 2100	2000 x 1500	1210	755	400	950	1360
				1100 x 2100	1750 x 2000	1215	1005	400	825	1235
R4	6000Kg	1600	2.0	1100 x 2100	1750 x 2000	1215	1005	400	825	1235
				1100 x 2100	2100 x 1600	1260	805	400	1000	1410

HOOK LOAD



NS8700

CAPACITY (Kg)	HOOK LOAD			
	R1	R2	R3	R4
630, 800, 1000	3000Kg	1500Kg	3000Kg	1500Kg

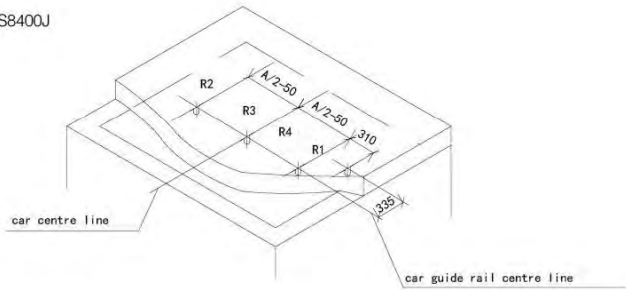
CAPACITY (Kg)	CAR SIZE (mm)	A	B	C	D
630	1100 x 1400	935	715	350	500
800	1350 x 1400	1060	715	350	625
1000	1600 x 1400	1185	715	350	750
	1100 x 2100	1000	1045	350	500
	1100 x 2100	1025	1116	350	500



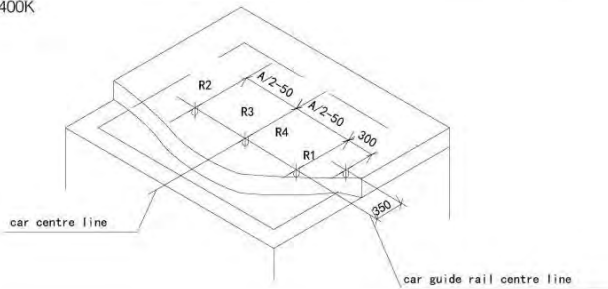
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HOOK LOAD

NS8400J



NS8400K

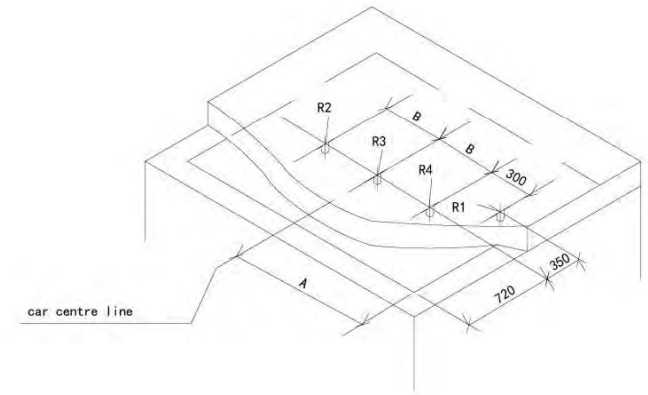


A: car inner wide clear size

NS8400J & NS8400K

CAPACITY (Kg)	HOOK LOAD			
	R1	R2	R3	R4
400, 450, 630, 800, 1000	3000Kg	1500Kg	3000Kg	1500Kg

HOOK LOAD



NS8500

CAPACITY (Kg)	HOOK LOAD			
	R1	R2	R3	R4
630, 800, 1000	3000Kg	1500Kg	3000Kg	1500Kg

CAPACITY (Kg)	CAR SIZE (mm)	HOOK LOAD	
		A	B
630	1100 × 1400	935	500
800	1350 × 1400	1060	625
1000	1600 × 1400	1185	750