



NIPPON GOODS & CAR LIFT

BUILT FOR POWER & PERFORMANCE

AN OVERVIEW



ABOUT US

Nippon Lift has been providing elevator solutions to customers all around the globe for more than 30 years.

FACILITIES

From design, manufacture and site installation, to the smallest component on each NIPPON elevator, we carry out elaborate checks on the final product and the manufacturing process itself. By continuously improving

the manufacturing process, we are able to provide high quality products to our vast customer base worldwide.

Our manufacturing floor has the world's most advanced Salvagnini metalwork machining center, first-class CNC machining lines which include precision machining devices such as Komatsu CNC plasma cutting machine, AMADA laser cutter, AMADA CNC multi-station punch press, AMADA CNC bending machine, CNC grooving machine, American 'FLOW'

CNC water jet cutting machine, AMADA non-mark spot welder, and automated painting and manufacturing lines.

QUALITY

All our products are designed according to EN81 for lifts and EN115 standards for escalators. Each individual component is subjected to tight quality control. Every lift and escalator model is certified with TUV and CE marking to meet the strictest safety requirements.



Our manufacturing floor has the world's most advanced Salvagnini metalwork machining center.

“ WE HAVE ALWAYS BEEN, AND WILL CONTINUE TO BE, THE TRUSTED CHOICE BY STAYING TRUE TO ONE SIMPLE MISSION - **TO MAKE THE BEST ELEVATOR AVAILABLE.** ”



Home Depot,
Makati, Philippines



Melrose Nissan Car Dealership,
South Africa



Nippon Express Factory,
Malaysia

ERGONOMIC FUNCTIONAL SIZES

Vertically and horizontally larger cabin size.

Fits people, forklifts, machinery and cargo of various sizes easily.

Full-width wider entrance, with front and rear opening available.

INTELLIGENT INTUITIVE FEATURES

Faster loading and unloading with delayed closing and parking shutdown.

Smooth ride and entry/exit for fragile loads.

Enhanced safety features to protect people and goods.

RELIABLE EFFICIENT OPERATIONS

Carries up to 2,500 kg while maintaining low energy usage with VVVF inverter.

Built to withstand and endure heavy duty handling.

Experienced technical support.



Takasima Factory,
Malaysia



Hotel Scott,
Malaysia



Jeen Huat Factory,
Malaysia

MODERN DURABLE DESIGNS

A wide range of visually appealing designs for every part of the cabin.

Versatile and flexible combinations to match the aesthetics of your building.

High quality and easy to care for finishes.

CHOOSE NIPPON GOODS LIFT

The most reliable workhorse you'll ever need.

NIPPON Goods Lift is specifically designed for moving freight and heavy cargo. Sturdy enough to withstand rough treatment, NIPPON Goods Lift provides a smooth ride to handle fragile loads, leveling accuracy for easy loading and unloading, and wide doors that maximize in-car space.

NIPPON Goods Lift's exceptional power and performance, can be called instantaneously to meet all demanding requirements of warehouses.

Max. Speed: 1.0m/sec
Max. Load: Up to 5,000kg

Max. Travel: 40m
Max. Stops: 12 stops

HEAVY DUTY WORKHORSE

Power and performance to meet the most demanding requirements.



CARRIES UP TO 5,000KG WITH EASE

The car chassis, made from industrial lightweight steel, is specially strengthened which provides a smooth ride even while a heavier load is onboard. The bottom of the car has double reinforcement to bear heavy weights. This allows NIPPON Goods Lift to carry loads of up to 5,000kg while running quietly to prevent disturbances to people, accommodation or offices near the elevator shaft.

OVERLOAD SWITCH

To prevent overloading, our elevator is cleverly fitted with a weighing switch which restricts elevator movement until the extra weight is taken off the car.

When overloading is triggered, doors remain open, car does not move, the alarm buzzes on until enough load is removed.

ANTI-SKID FLOORING

The flooring of the car is an anti-skid checkered steel plate. Even if it is stained by grease, it will still produce a friction strong enough to prevent people or cargo from sliding off. Choose from a selection of:

- Checkered aluminium flooring or
- Rubber flooring (black)

SAFE & INTELLIGENT

NIPPON Goods Lift has everything you need for your warehouse.



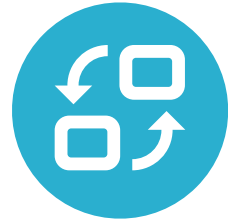
Deeper cabins

Vertically and horizontally larger car sizes to fit forklifts, machinery, cargo and people.



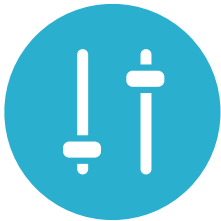
Full width doors

Doors are extra wide and pulls back completely so goods can go in and out without any hassle.



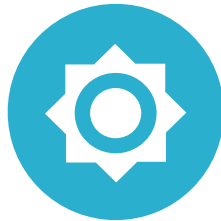
Auto-leveling

Aligns precisely with the nearest floor allowing for a smooth flow of fragile loads, trolleys and forklifts.



Bypass full loads

When car load reaches maximum capacity, hall calls will be ignored to reduce unnecessary stops.



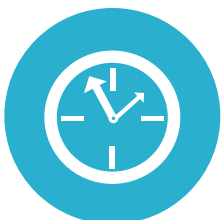
Brightly lit

The cabin is illuminated clearly and directly to prevent any accidents from happening.



Emergency

During a fire, flood or earthquake, the car moves to preset floor, lands and opens doors for evacuation.



Delayed closing

A door closing time delay function can be added into the control operating panel. Delayed closing is easily customised on-site.



Parking shutdown

A key switch on the control operating panel allows the car to be parked so that loading and unloading can proceed uninterrupted.



Magic doors

Floor to ceiling beam sensors at the entrance detect even the smallest object to stop the doors from accidentally closing in.

SMART & RELIABLE

Delivering more services, better tech, more user-intuitive features, all while consuming lesser power.

NIPPON Goods Lift is propelled by our innovative traction machinery which manipulates the weight of the load to re-generate energy for the elevator. Therefore, it takes only minimal force to drive the cars, which means lesser energy consumption.

The speed of the elevator will be maximized when the load of the car is lesser than the counterweight when travelling upwards or when the load of the car is greater than the counterweight when travelling downwards. And vice versa.

Re-generating energy

When the elevator travelling upwards is lighter than the counterweight or when the elevator travelling downwards is heavier than the counterweight, the energy that is generated from the traction machine can be restored and reused by integrating an additional power feedback device.

VVVF inverter technology

By converting line power to variable voltage variable frequency to suit exact load and speed, energy is consumed proportionally without any wastage.

SAVINGS IN IDLE MODE

When it comes to energy, it's the little things that eventually will add up. This is why we find ways to minimise energy consumption when the elevator is idle.

- Doors slowly close when they have remained open for longer than preset time.
- Car lighting is switched off automatically when the car is not in use.
- Ventilation fan is turned off when the car is not in use.
- Indicators are dimmed when not in use.
- Drive machinery automatically lapses into idle mode when no activity is detected after a period of time.

THE BENEFITS OF LED

By replacing conventional incandescent light bulb with LED, power consumption for lighting an elevator cabin is greatly reduced by up to 50%.

The use of LED also lowers the temperature inside the cabin as there is less heat generated.

The use and advantages of LED is extended to displays and indicators. Cost of maintenance is considerably lowered due to the longer lifespan of LEDs. The lifespan of one LED is 25 times longer than one conventional incandescent light bulb.

COSTS SAVINGS IN
IDLE MODE

| **35%**

COSTS SAVINGS BY
USING LED

| **50%**



DRIVEN BY

MAGNETSYNC

LESSER ENERGY, MORE DRIVE

Our dedication to higher efficiency and lower power consumption has resulted in the revolutionary MagnetSync, which removes the use of the power-consuming geared traction.

MagnetSync is a permanent magnet gearless motor which has higher mechanical and electrical efficiency than the geared traction

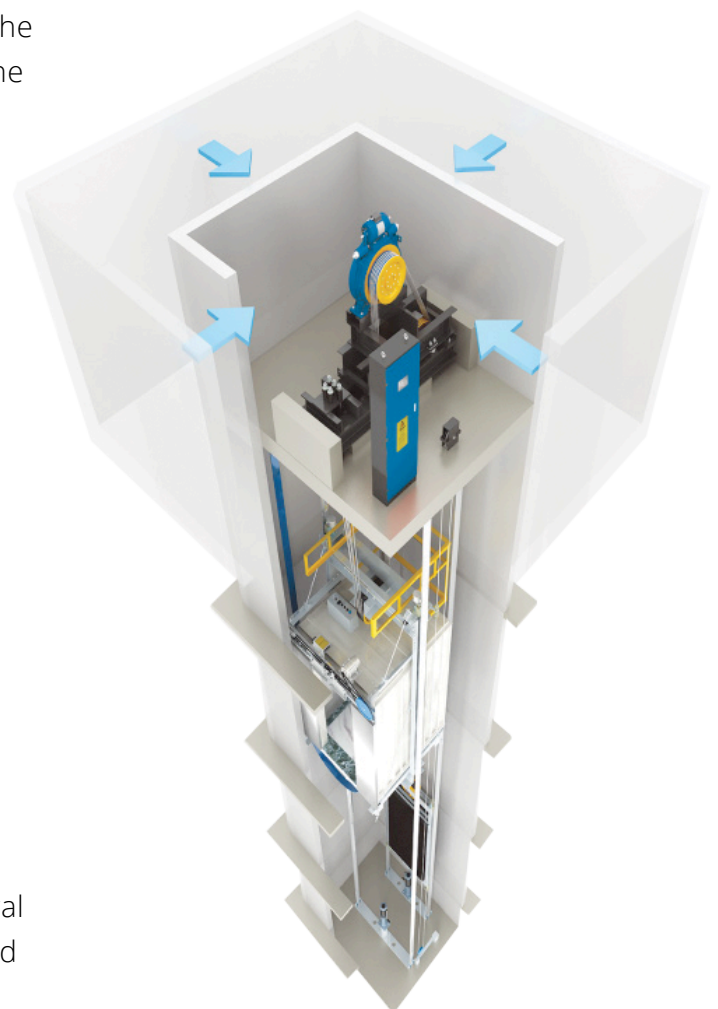
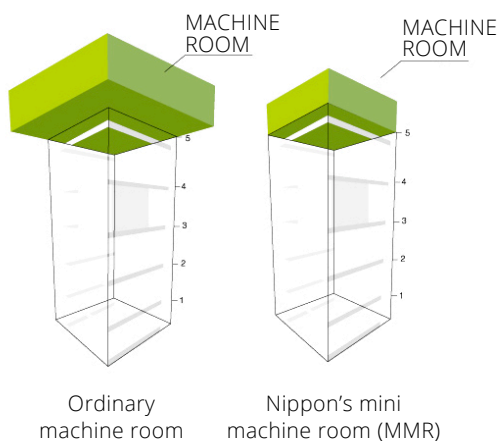
system, yet it is physically smaller and weighs lesser.

The MagnetSync machine consumes 30% LESSER power, and is twice as efficient. As it is gearless, MagnetSync reduces torque, noise and heat. Best of all, zero maintenance is required on lubrication.

SAVES SPACE WITH THE MINI MACHINE ROOM (MMR)

The mini machine room (MMR) which houses the MagnetSync machine is merely an extension to the hoistway of the lift, making the construction of the MMR easy and inexpensive.

The reduced physical size of the MagnetSync machine means that the MMR is much smaller compared to the machine rooms required to house traditional machines.



Therefore, the MMR allows for better architectural design freedom, a more optimal use of space and lower construction costs.



NIPPON

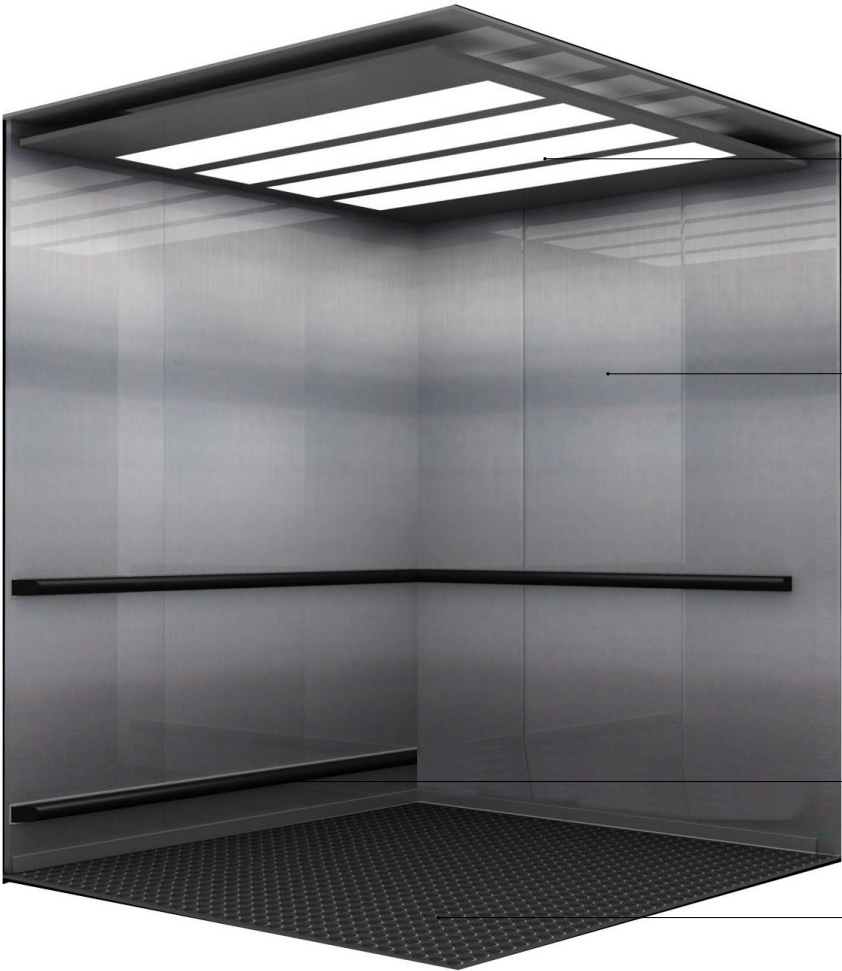
GOODS LIFT

Finishes & Data Sheet

Note:

The contents of the following data sheet(s) are applied to standard specifications only.
Please consult our local agents for other specifications.

OPTIONAL CABIN INTERIOR



NP18G

SUSPENDED CEILING

Hairline finished stainless steel, acrylic resin panel

CAR PANEL

Hairline finished stainless steel

PROTECTION BUFFER

Aluminium, rubber

FLOOR

Rubber floor (Black)



NPET 0945

SUSPENDED CEILING

Hairline finished stainless steel

CAR PANEL

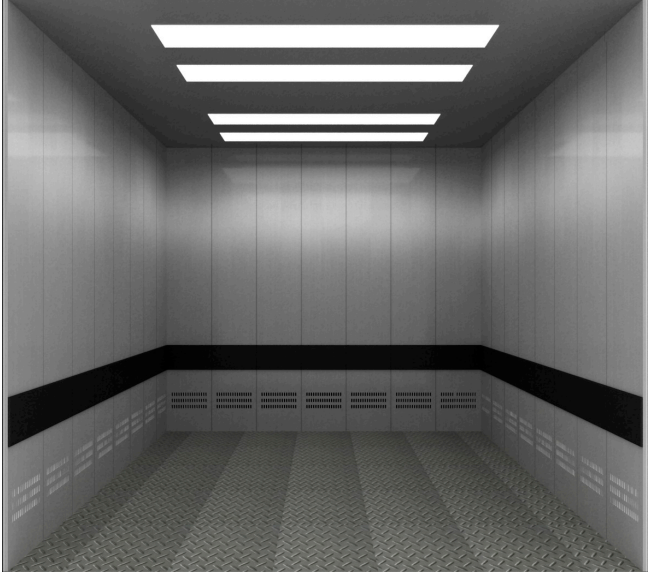
Hairline finished stainless steel

HANDRAIL

Stainless steel

FLOOR

Granite



NPET 0946

SUSPENDED CEILING

Hairline finished stainless steel

CAR PANEL

Baked enamel steel and acrylic lights

PROTECTION BUFFER

Rubber

FLOOR

Checked alu

SUSPENSION CEILING



NLET-1304
Mirror finished stainless steel
Frame with acrylic top panel



TH-103 (Standard)
Hairline finished
stainless steel
Acrylic resin panel



TH-105 (Standard)
Mirror finished
stainless steel with
black painted steel
Acrylic resin panel

WALL FINISHING - STANDARD
(Painted Steel)



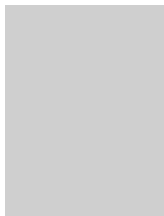
RAL5010



RAL5015



RAL6034



RAL7035



RAL1015

FLOORING - STANDARD
(Vinyl Tiles)



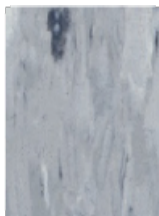
TCD304



TCD305



TCD308



TCD314



TCD315



TC316

WALL FINISHING - OPTIONAL



HS-001
Hairline st/st



HS-002
Mirror st/st

FLOORING - OTHERS



CHECKED ALU



RUBBER FLOOR
(Black)

HANDRAILS



NPEF-9701



NPEF-9702

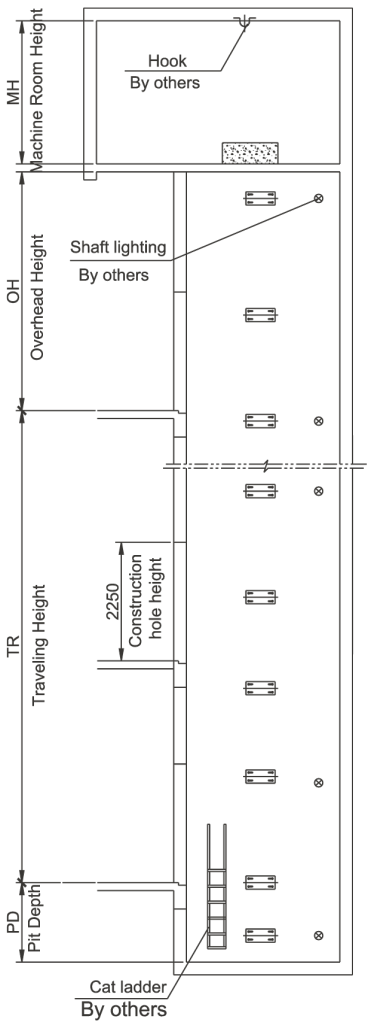


**MACHINE ROOM (MRA)
GOODS LIFT**

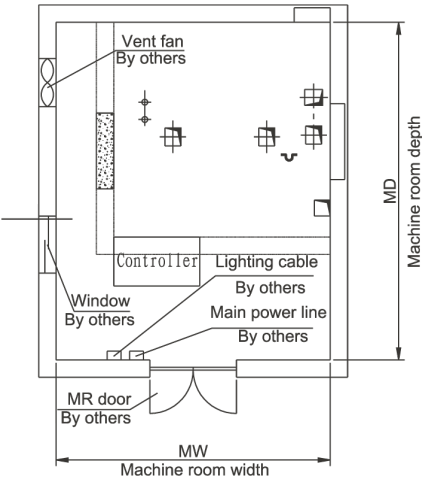


**GEARED TRACTION MACHINE
ROPING 2:1**

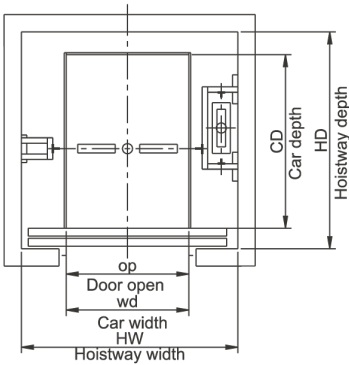
LIFT SHAFT - SECTION VIEW



MACHINE ROOM PLAN



HOISTWAY PLAN



CAPACITY	CAR			DOOR		SHAFT		Through Opening
Load	Type	Width	Depth	Type	Opening	Width	Depth	
kg	CT	CW	CD	DT	DO	HW	HD	TD
2000	Deep	1700	2400	4CO	1700	3000	2970	2970
3000	Deep	2000	2800	4CO	2000	3400	3370	3370
4000	Deep	2000	3600	4CO	2000	3400	4170	4170
5000	Deep	2400	3600	4CO	2400	4000	4170	4170
Max Travel: 40m								

Speed	Capacity	Overhead	Pit	Car Clear Height		Door Height
m/s	kg	mm	mm	mm		mm
0.5/1.0	2000	4500	1400	2200 without suspension ceiling		2100
0.5	3000	4500	1500			
	4000	4800	1600			
	5000	5000	1600	2400 without suspension ceiling		2300

Notes:

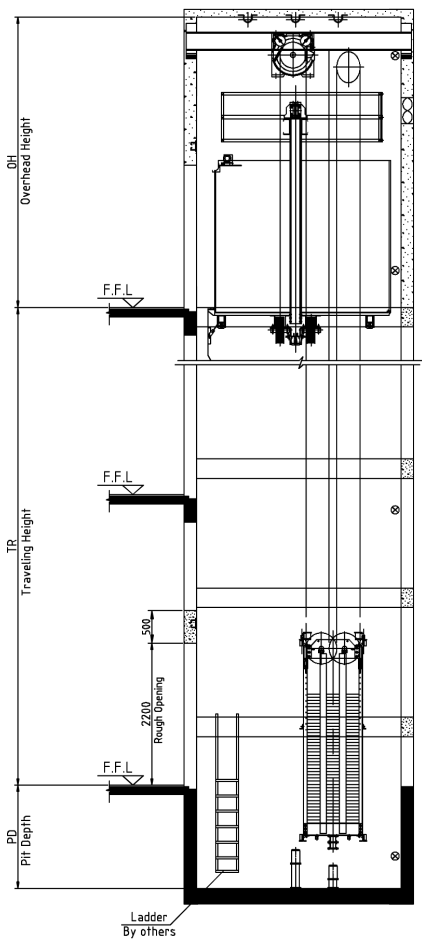
1.5000kg design applicable for load of forklift enter into car for handling goods.

2.The contents of this table are applied to standard specifications only. Please consult our local agents for other specifications.



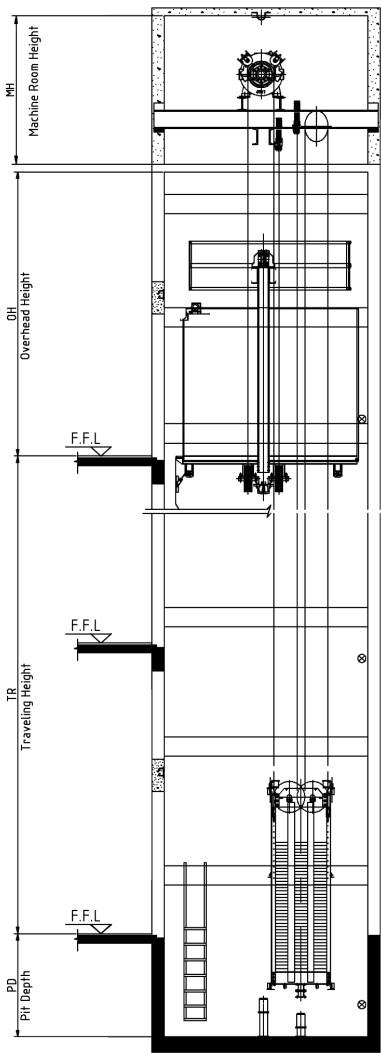
LIFT SHAFT - SECTION VIEW

MRL

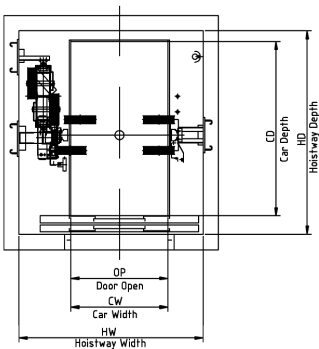


LIFT SHAFT - SECTION VIEW

MMR

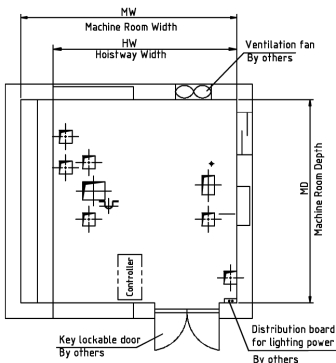


HOISTWAY PLAN



MACHINE ROOM PLAN

MMR



CAPACITY		CAR		DOOR		SHAFT		Through Opening
Load	Type	Width	Depth	Type	Opening	Width	Depth	
kg	CT	CW	CD	DT	DO	HW	HD	TD
2000	Deep	1500	2700	4CO	1500	2850	3270	3270
3000	Deep	1700	3300	4CO	1700	3250	3870	3870
4000	Deep	2200	3300	4CO	2200	3850	3870	3870
Max Travel: 36m								

Type	Speed	Capacity	Overhead	Pit	Car Clear Height	Door Height
	m/s	kg	mm	mm	mm	mm
MRL	0.5	2000	4500	1700	2200 with suspension ceiling	2100
		3000	4600	1700		
		4000	4600	1700		
MMR	0.5	2000	4400	1700		
		3000	4500	1700		
		4000	4500	1700		



CAR LIFT

Designed specifically for automobiles

What makes NIPPON Car Lift exceptional is that it is designed specially for lifting and moving vehicles. It is fitted with our innovative traction machinery for a smooth movement of the vehicles, and is completed with guide-rail arrangement, precision auto-leveling, safety and protective features and an interior which is spaced to fit automobiles of various widths and lengths.

1

TWO CONTROL OPERATING PANELS

There are two control operating panels in the cabin. Therefore, the driver can operate the elevator from inside the vehicle without stepping out of it.

2

BRIGHT ANTI-COLLISION STRIP

A bright yellow anti-collision strip protects the inner wall of the elevator from being damaged in a collision. It's bright shade of yellow serves as a warning reflector.

3

FRONT & REAR DOOR OPENING AVAILABLE

NIPPON Car Lift has the option for front and rear door opening. This makes it easier, more convenient and safe for vehicles to enter and exit the elevator.



NIPPON

CAR LIFT

Finishes & Data Sheet

Note:

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Please consult our local agents for other specifications.

CABIN INTERIOR



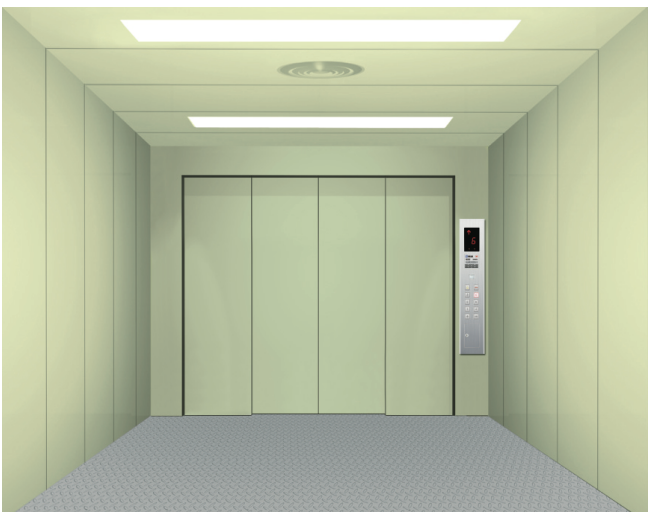
JL-H101

SUSPENDEd CEILING
Painted steel with fluorescent lamp

CAR PANEL
Painted steel

DOOR
Painted steel, side opening

FLOOR
Checked alu



JL-H102

SUSPENDEd CEILING
Painted steel with fluorescent lamp

CAR PANEL
Painted steel

DOOR
Painted steel, center opening and double-folded

FLOOR
Checked alu

CAR TOP CEILING



DD-H101



DD-H102

WALL



PLANE GREY



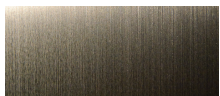
CORN YELLOW



DEEP BLUE



APPLE GREEN

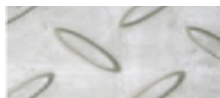


HS-001 - Hairline st/st

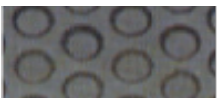


HS-002 - Mirror st/st

FLOORING



CHECK ALU



RUBBER FLOOR (Black)

LANDING DOOR



TM-H101



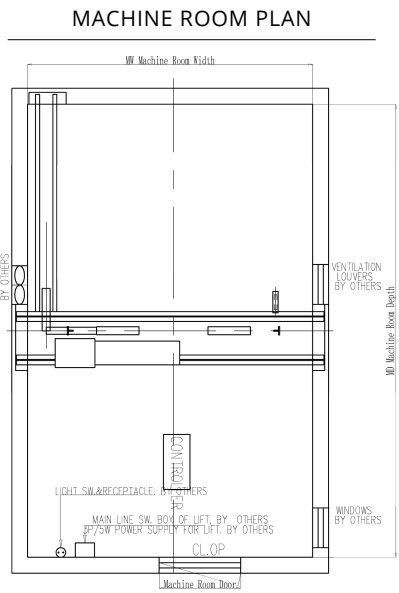
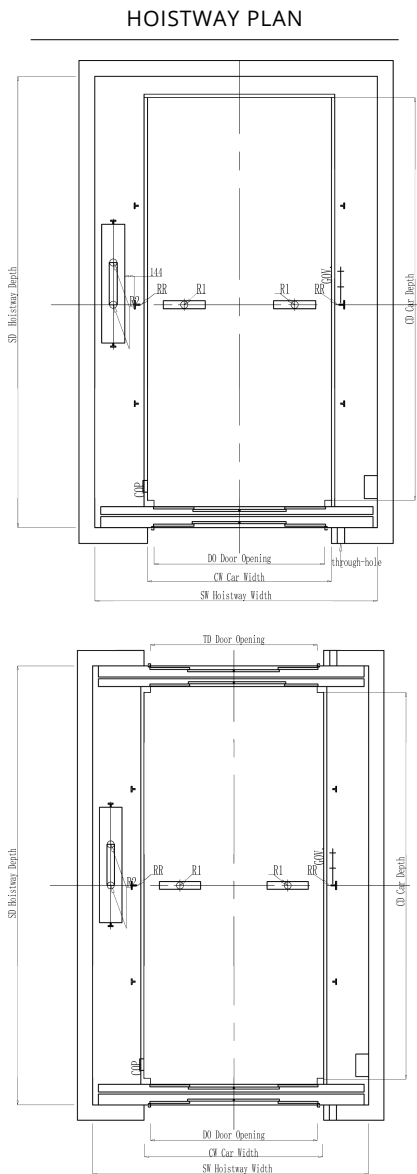
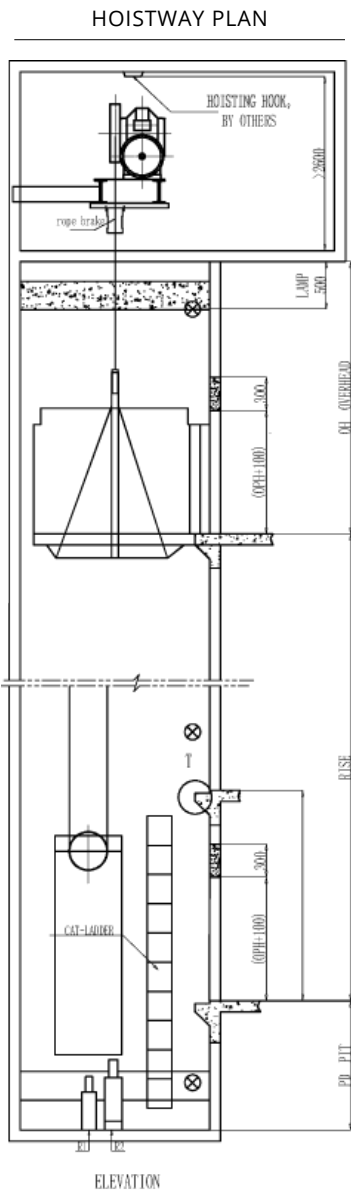
TM-H102



**MACHINE ROOM (MRA)
AUTOMOBILE LIFT**



**GEARED TRACTION MACHINE
ROPING 2:1**



CAPACITY	CAR			DOOR		SHAFT		Through Opening
Load	Type	Width	Depth	Type	Opening	Width	Depth	
kg	CT	CW	CD	DT	DO	HW	HD	TD
3000	Deep	2400	5500	4CO	2200	3800	6000	6200
4000		2600	6200		2400	4100	6700	6840
5000								

Max Travel: 40m
5000kg design applicable for load of forklift enter into car for handling goods.

Speed	Capacity	Overhead	Pit	Car Clear Height	Door Height
m/s	kg	mm	mm	mm	mm
0.5	3000	5000	1600	2300 without suspension ceiling	2200
	4000			2500 without suspension ceiling	2400
	5000				

LIST OF FEATURES		S: STANDARD O: OPTIONAL	
COMFORT FEATURES	DESCRIPTION	S	O
Adjustable Open Door Time	The doors operation time (opening & closing) are adjustable, depending on whether the stop was called from the hall or the car, to allow smooth boarding or loading.	•	
Animated Display	LCD or Dot Matrix display is installed at the COP to show the current floor, traveling direction, date, time and customized message.	•	
Anti-nuisance at Light-load	If the numbers of registered car calls does not correspond to the car load, all calls are canceled to avoid unnecessary stops.		•
Attendant Service	When a car is operated by attendant, it is allowed to drive a car by controlling the COP on travel direction and/or by passing ride.	•	
Automatic Bypass	A fully-loaded car (usually at 80% of the rated load) bypasses hall calls in order to maintain maximum operational performance.	•	
Automatic Fan & Lighting Power in Car	If there are no calls for a certain period, the car ventilation fan & lighting will automatically be turned off for energy saving.	•	
Automatic Parking	If there are no calls for specified period, the car will automatically return to the main landing.	•	
Automatic Door Open & Close	If the car within the door zone, the door will automatically open and it will be closed after a period of time.	•	
Car-call Cancellation	Passengers can cancel the wrong registration by pressing the same button twice.	•	
Car Alarm Bell	Ring bell for emergency used during distress in the car.	•	
Call Cancelled when Reverse Direction	When a car has responded to the final car call in one direction, the system regards remaining calls in the other direction as errors and clears them the memory.	•	
Direct Landing	On analogue given curve control system slows down the lift by distance for smooth landing.	•	
Emergency Illumination in Car	Emergency lighting illuminates automatically during power failure.	•	
Full Collection Operation	Lift stop in response to the car call while automatically follows landing calls up and down, a passenger can register his or her call at any landing.	•	
Full Height Sensor	Infrared-light beams cover the car height of the doors as used to detect passengers or objects before doors close.	•	
Hall Call for Door Opening	Closing doors can be reopened by pressing the hall button corresponding to the same traveling direction on the car.	•	
Overload Protection	Overload switch functioning, the doors remain open and the car does not move with alarm buzzing on until enough passengers exit the car.	•	
SAFETY & CARE FEATURES	DESCRIPTION	S	O
Anti-Reverse Protection	When the system has detected an inconsistency between call and travel direction for 3 seconds, an emergency stop will be activated with alarm buzzing on.	•	
Auto Run after Power Restore	During automatic drive, when normal power failure and then resumes, if the elevator stops at non-door zone, it will return to ground floor to reset for the sake of safety, and then open door automatically.	•	
Encoder Fault Protection	The system is always checking the encoder operation in order to ensure the feedback system is perfect.	•	
Error Code Log	The system will log the error codes for troubleshooting purpose, this will help to shorten the shutdown time.	•	
Final Terminal Protection	The lift is equipped will final limit travel protection to prevent the lift over-shooting.	•	
Floor Numbering Setting	It is flexible to set any display for the floor numbering.	•	
Jammed Contact Protection	When the system has detected any abnormal jammed contact on the calling push button, it will temporary disable the button to prevent wrong operation.	•	
Over Current Protection	The system is always monitoring the current flow to the motor; the system will shut down the elevator if abnormal over current is detected.	•	
Over Speed Protection (Up & Down Direction)	The elevator is equipped with speed governor to prevent the elevator speed over the rated speed.	•	
Over Voltage Protection	The system is always monitoring the incoming power to protect the over voltage which may be harmful to the system.	•	
Parking Shutdown	With a key switch on the Control Panel or Hall Call, a car can be called to a specified floor after responding to all car calls, and then automatically be shut off for packing.	•	
Remote Monitor Interface	The system provide the dry contact signals for building monitoring system such as elevators' car position, running direction, safety circuit and door circuit conditions, normal/fault, etc.		•
Running Time Protection	The system is always counting the running time between floor to floor to ensure time taken is within the expected time.		•
Running Timer and Counter	The system is equipped with running timer and trip counter in the controller so that the values can be used as references to the maintenance crews.		•
Self Re-Leveling	When the car stops at non-door zone due to any fault, once the fault is removed, it will automatically re-level the nearest floor and then open door automatically.	•	
Service Floor Setting	To enhance security, service to desired floors can be set to disable using the car operating panel.		•
ON REQUEST FEATURES	DESCRIPTION	S	O
Arrival Chime	Electronic chimes sound to indicate that a car will soon arrive. (The chime are mounted either on the top or at the bottom of the car).	•	
Auto Rescue during Power Failure	In the event of power failure, the car equipped with this safety device will function automatically moves and stops the car at the nearest floor using a rechargeable battery to ensure passenger to alight safely.	•	
CCTV cable (from top of car to machine room)	Special type of traveling cable, which has added CCTV cable, will be used for CCTV purpose		•
Door Nudging	A beep sounds and the doors slowly close when they have remained open for longer than the preset time.	•	
Earthquake Control	In the event of an earthquake detected, all cars stop at the nearest floor, and park there with doors open to release the passengers.		•
Fire Emergency Return	Upon activation of a Fire Return Switch, all calls are canceled, all cars immediately return to specified fire home floor and the doors open to ensure safe passengers evacuation.		•
Fireman Service	When the Fireman Switch is activated, all specified car call and hall call are canceled and the car immediately return to fire home floor. The car then responds only to car calls which facilitate fire fighting and rescue operations.		•
Front-back door service	The system is capable to handle both single door as well as through opening doors services	•	
Hall Lantern	The lamp will flash up to indicate that the car will soon arrive.		•
Interphone	In case of lift breakdown, the interphone allows you to talk to control rooms / security.	•	
IC card	A COP can be equipped with an IC proximity card reader to control the access to certain floors with multiple combinations of choices. The Intelligent IC Card Access system is equipped with a card writer, PC, and software to program individual IC Card like password setting, validity period and multiple floor access selection.		•
Operation by Stand-by Power Supply	During power failure, the power generator in the building moves and stops to specified floor, and the doors open to ensure passenger evacuation. After all the only pre-determined car will be available for normal operation to prevent overloading the stand by power supply.		•
Remote Monitor System	The system uses CANBus to connect a PC in remote monitoring room to monitor a commercial building or a residential community. With the monitoring software and the LAN/WAN network, the elevators' running status such as car position, running direction, call registration, error code, system data and etc.		•
Safe Landing	If a car has stopped between floors due to some faulty, the controller check the cause, and if it is considered safe to move the car, it will move to the nearest floor at a low speed and the doors will open.	•	
Sound player (only in English)	A synthesized voice informs passengers inside the car about the arriving floor number, and follow by next serving direction ("Going Up" or "Going Down") when door is fully opened to inform passengers outside the landing.		•
VIP Priority Service	A specified car is withdrawn from group control operation for VIP Service. When activated, the car respond only to existing car call, moves to specified floor and park with doors open. The car will then respond only to car calls.		•
TEAM FEATURES ON REQUEST	DESCRIPTION	S	O
Up Peak Service	Monitors timing and distribution of cars assigned to meet traffic demand during increased upward service.	•	
Down Peak Service	Monitors the number of cars to be allocated to meet increased demand for downward travel such as during office off time, hotel checkout time to minimize passenger waiting time.	•	
Intelligent Cooperation System	The system is applied to select the most rational operational rule which maximizes the efficiency of group control operations by reducing power consumption and waiting time for passengers.		•



“Where Everything Matters”

NIPPON LIFT CORPORATION PTE LTD

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