



Machine Room Elevator Planning Guide

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If you need detailed information, please contact us

Content

Elevator Specification

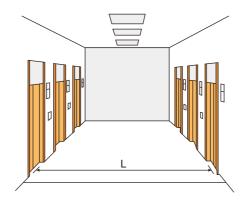
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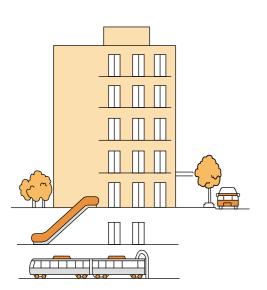
Rated Load (kg)	Number of Passengers ①	Rated Speed (m/min)	Maximum Number of Stops	Maximum Travel (m)	Maximum Travel with Fireman Operation (m)	Minimum Floor Height (mm)
450	6	60/90/105	60m/min:20 90m/min:40 105m/min:40	60m/min:60 90m/min:100 105m/min:100	_	
630	8					
825	11					
900	12					
1050	14	60/90/105/ 120/150/	60m/min:22 90m/min:40	60m/min:60 90m/min:100	00m/mim: F0	2800
1150	15	180	105m/min:40 120m/min:48	105m/min:100 120m/min:140	60m/min:58 90m/min:86 105m/min:99.5	
1350	18		150m/min:48 180m/min:64	150m/min:140 180m/min:200	120m/min:115 150m/min:140 180m/min:160	
1600	21				13011//111111.100	
1800	24	60/90/105/				
2000	26	120/150				

Note:
① Passenger numbers calculated at 75kg per person.
② The above information are based on GB7588-2003 standards.

- Maximum in-line arrangement is 4 elevators.
- Elevators not in the same groups should not be set in the same line.
- Avoid placing the elevators entrance near pillars.

- Elevators in the same group with face-to-face arrangement, the distance of facing elevators (L) should be 3.5~4.5m.
- Elevators not in the same group with face-to-face arrangement, the distance of facing elevators (L) should be more than 6m.





- Elevators in the same group is recommended to have the same service floors.
- Elevators in the same group is recommended to have one base floor instead of having multiple access floors.

FI System

<FI Series> Implements Group Control in Response to Different Requirements of Different Buildings.

A group control system groups multiple elevators for achieving a well-balanced operation by taking waiting times into account. Such a system requires flexibility so that it can be used in various types and sizes of buildings and be responsive to changing traffic demand.

Please select the most suitable elevator system for the building you are planning.

FI-600 / FI-700	FI-100	FI-10
(3-8 Cars)②	(3-6 Cars)	(3-4 Cars)
Allows a flexible control for elevator car allocation and the required number of cars according "Human Flow Prediction" and "Future Reference-Trajectory Control" for shortening the average waiting times.	Elevator cars are allocated at equal time intervals according to "Reference-Trajectory Control" for shortening the average waiting times and reducing the probability of a long wait.	Provides a ring control to allocate the elevator car closest to the the floor where a new hall call is registered.

Instantaneous reservation and service forecasting		
Intelligent Function		
Human flow prediction		
 Generation of new traffic flow modes 		
Generation of optimum operation programs		
Congested floor recognition		
Energy-saving preference control		
Learning Function		
Collection of usage data Recognition of traffic	flow mode · Search for optimum	
(40/2 mode	s) operation program	
Arrival notice indication (Hall lan	tern and chimes)	
Bunching Preventio	n ①	
Human flow prediction		
+ Future reference-trajectory control	Reference-trajectory control	Ring control
+ Forecasting dynamic allocation control		_
Forecasting dynamic allocation control	Zone distribution control	Fixed floor distribution control
FI-600 / FI-700	FI-100	FI-10 (Simplified Group Control)
3~8 Cars ②	3~6 Cars	3~4 Cars
Large office building Luxurious hotel	Small office building Department store, hotel, hospital	Buildings with small traffic demand
VIP service	e, Independent automatic operation	
Service floor selec	etion	
Destination floor reservation system (DFRS)		
Centralised control for special floors		
Zoning express service		

Note:

- ① Bunching Prevention: Using the "Future reference-trajectory control" or the "Reference-trajectory control" in the FI-600 / FI-700 or FI-100, elevator cars are operated at equal time intervals to prevent local bunching.
- 2 The FI-700 system supports a maximum of 16 operation control elevators.

FI System

Basic Function

Instantaneous Reservation Upon receipt of a half call, this function activates an elevator to serve this call, and at the same time the call is acknowledged provided provided by the half lands and chime. Provided	Basic i	Function	Basic spec.	: Optional sp	ec. — : No	ot applicable
and Service Forecasting (F-IRF) (F-IRF) by the same time the call is acknowledged by the hall lantern and chime. 2 Arrival Notice Indication (F-IANI) Four to five seconds prior to the arrival of an elevator, this function will activate the hall antern and chime. 3 Fauture Reference Trajectory Control (F-IATC) Trajectory Control (F-IATC) (F-IATC) Trajectory Control (F-IATC) Trajectory Interview of the four activation of elevator cars to hall calls based on the theory assignment control of elevator cars to hall calls based on the theory assignment control of elevator cars to hall calls based on the theory assignment control of elevator cars to hall calls based on the theory assignment control of waiting time prioridy assignment control of waiting time prioridy assignment control of waiting time prioridy assignment, constantly carry out operation management in accordance waiting time of passengers by implementation of hall calls assignment. 4 Priority Allocation Based on Car Congestion Level Tribing Frevent long visiting time of passengers by implementation of hall call assignment. Collection of Usage Data (F-ICCU) 5 Recognition of Traffic Flow Mode (F-IATTM) Search for Optimum Operation Program (F-ISOP) 6 Congested Floor Recognition (F-ISCH) Generation of Optimum Operation of Program (F-ISOP) Generation of Optimum Operation of Program (F-ISOP) Generation of Optimum Operation of Program (F-ISO) Generation of Optimum Operation Programs (F-ISOD) Fixed Floor Distribution Control (F-IFOA) Fixed Floor Distribution Control (F-ISO) Fixed Floor Distribution Fixed Floor Distribution	No.	Item	Content		FI-100	FI-10
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Service Forecasting for Hall Call Assignment (FI-SFH) This function assigns elevators cars to hall calls more precisely by forecasting the arrival time and number of passengers in the car according to the learning-based traffic demand.		Search for Optimum Operation Program (FI-SOP)		•	•	
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Distributes the waiting elevator care to the pre-assigned fleors		Zone Distribution Control (FI-ZD)	Distributes the waiting elevator cars to the pre-assigned zones.		•	
			Distributes the waiting elevator cars to the pre-assigned floors.	(FI-700 only)		•

Basic Function

				_
ot applicat	- : Not	: Optional spec.	: Basic spec.	
Οt	- Not	. Optional spec.	Basic spec.	

No.	Item	Content	FI-600/ FI-700	FI-100	FI-10
11	Human Flow Prediction (FI-HEP)	The next number of users is predicted from the elevator operation status. This is used to increase the predictive accuracy for congested time slots and improve service efficiency.	•		
12	Learning-Based Concentrated Service (FI-LCS)	Centralises the service to the learning-based congested floors during peak times including morning, lunch time and evening peaks while taking the service for other floors into account.	•		
13	Rush-Hour Schedule Operation (RHSO)	All the elevators will automatically return to the start base floor, after serving the last call during the preset rush-hour timing.	•		_
14	Destination Floor Priority Control	The allocation will be priority when the destination floor and hall call floor is the same floor.	•	•	
15	Full Car Forecasting Control	Control the new allocation according to the number of passengers in car and the times of new calls.	•	•	
16	Full Car Control	Stop new allocation or re-allocate the car when full load.	•	•	
17	Long Waiting Time Allocation Control	Re-allocate the cars when long waiting time situation is forecasted.	•	•	
18	Notice Function	Keep the service elevator car door open with hall lantern flickering to guide the passengers.	_	•	
19	Automatic Door Open Time Control (FI-ADT)	This function automatically controls the duration of the door open time according to the floor and the kind of call (hall call or car call) as well as the elevator condition.	•	•	

Optional Function

No.	Item	Content	FI-600/ FI-700	FI-100	FI-10
1	Centralised Control for Special Floors (FI-CCF)	This function preferentially assigns an elevator to the special floor (e.g the director's room).	A		
2	Service Floor Selection (FI-SFS)	Allows the operator to select the service and non-service floors using, for example, the switches on the control panel.	A	_	
3	VIP Service (FI-VIP)	When welcoming or sending off important guests, this function permits an elevator to be summoned directly to the desired car call floor by operating a specially provided switch.	A	_	_
4	Destination Floor Reservation System (DFRS)	Each passenger registers their destination floor on the registration device located at the landing hall and knows in advance the designated elevator to take. System assigned one elevator for the passengers with the same destination floor. This helps to reduce congestion in the elevator lobby and improve efficiency.	A		
5	Zoning Express Services (FI-EZS)	Starts a divided express service when the peak traffic demand takes place in the preset time zones.	A		

Man-Machine Function

	ltem	Content			FI-10
1	Mischievous Call Cancellation	When large numbers of calls are registered by small number of passengers, the calls are determined to be mischievous and will be automatically cancelled.	•	•	
2	Hall Indicator	Inform passengers at the lobby the position of the elevator.			•

Elevator Function

Standard Function

SA1 Selective Collective Control SA2 Floor Height Self Measurement SA3 On-Cage (Car Top) Maintenance Operation SA4 In-Cage Slow Speed Operation SA5 Machine Room Debugging Operation SA5 Machine Room Debugging Operation SA6 Machine Room Debugging Operation SB81 Overspeed Electrical Protection SB83 Roomania Fail Petection SB83 Roomania Fail Petection SB83 Roomania Fail Petection SB84 Automatic Fail Recording SB85 Roomania Fail Recording SB87 Standby Regular Auto-Check SB88 Double Brake-Safety Check Operation SB87 Standby Regular Auto-Check SB89 Spechronous Motor Magnetic Pole Test SB10 LI Peterson Short Magnetic Pole Test SB11 Limited Car Movement Protection, UCMP Function (SIL3) ⊕ SB14 Anti-Electromagnetic Interference SB13 Limited Car Movement Protection, UCMP Function (SIL3) ⊕ SB16 SB16 Diagnosis Inventor SB17 Intelligent Auxiliary Brake Function SB18 SB16 SB17 Intelligent Auxiliary Brake Function SB17 Intelligent Auxiliary Brake Function SB17 Intelligent Auxiliary Brake Function SB17 SB17 Intelligent Auxiliary Brake Function SB18 Auxiliary Brake Function SB18 SB17 SB17 SB17 SB17 SB17 SB17 SB17 SB17				
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System Protection SB1 Overspeed Electrical Protection SB2 Overspeed Mechanical Protection SB3 Rope Slipping Running Protection SB3 Rope Slipping Running Protection SB5 Automatic Fault Detection SB6 Automatic Fault Recording SB7 Standby Regular Auto-Check SB8 Double Briske-Safety Check Operation SB9 Synchronous Motor Mapente Pole Test SB10 Life Position Abnormity Auto-Correction Function SB11 Nearest Landing Operation SB13 Unintended Car Movement Protection, UCMP Function (SIL3) ⊕ SB14 SB15 Motor Energy Saving Control SB16 Slipping Auxiliary Brake Function SB17 Intelligent Auxiliary Brake Function SG1 Communication SG1 Car Intercom Communication SG1 Car Intercom Communication SG2 Car Top Intercom Communication SG3 Pth Intercom Communication SG4 Pth Intercom Communication SG5 Doro Safety Return System SG5 Overload Alarm SG5 Overload Alarm SG6 Overload Alarm SG7 Overload Detection System SG8 Automatic Door Devel Time Adjustment SG7 Overload Indicator (In Car) SG7 Brace System System Significant Auxiliary System System Significant Auxiliary System Syst	SA3	On-Cage (Car Top) Maintenance Operation	SA4	In-Cage Slow Speed Operation
Section Sec	SA5	Machine Room Debugging Operation		
SB3 Rope Slipping Running Protection SB4 Motor Overload (Thermal) Protection 3B5 Automatic Fault Detection SB6 Automatic Fault Recording SB7 Starby Regular Auto-Check SB8 Automatic Fault Detection SB9 Synchronous Motor Magnetic Pole Test SB10 Ulft Position Abnormity Auto-Correction Function SB11 United and Car Mewment Protection, UCMP Function (SIL3) ① SB12 Auti-Electromagnetic Interference SB13 United and Car Mewment Protection, UCMP Function (SIL3) ① SB14 SB15 SB16 SB17 Belf Diagnosis Inverter SB17 Intelligent Auxiliary Brake Function SB16 Self Diagnosis Inverter SB17 Intelligent Auxiliary Starb (SPC) SB16 Self Diagnosis Inverter SB17 Intelligent Auxiliary Brake Function SB16 Self Diagnosis Inverter SB16 Self Diagnosis Inverter SB17 Intelligent Auxiliary Brake Function SC2 Car Top Intercom Communication Self Diagnosis Inverter SC3 Pit Intercom Communication SC2 Car Top Intercom Communication Sc2 Car Top Intercom Communication Scarter <t< td=""><td>Syste</td><td></td><td></td><td></td></t<>	Syste			
S85 Automatic Fault Detection S86 Automatic Fault Detection S87 Standby Regular Auto-Check S88 Synchronous Motor Magnetic Pole Test S87 Uth Position Abnormity Auto-Correction Function S811 Nearest Landing Operation S812 Anti-Electromagnetic Interference S813 Unintended Car Movement Protection, UCMP Function (SIL3) ⊕ S814 Ascending Car Overspeed Protection, ACOP Function (SIL3) S815 Motor Energy Saving Control S816 Self Diagnosis Inverter S817 Intelligent Auxiliary Brake Function S816 Communication S817 Car Intercom Communication S818 Self Diagnosis Inverter S819 Car Top Intercom Communication S810 Car Intercom Communication S810 Car Intercom Communication S810 Pit Intelligent Auxiliary Brake Function S810 Pit Intelligent Auxiliary Brake Function S810 Car Intercom Communication S810 Pit Intelligent Auxiliary Brake Function S810 Pit Intelligent Auxiliary Brake Function S810 Pit Intercom Communication S810 Pit Intelligent Auxiliary Brake Function S810 Pit Intelligent Auxiliary Brake Function S810 Pit Intelligent Auxiliary Brake Function S810 Pit Intelligent Multi-Base Protection S810 Pit Intelligent Multi-Basen Protection S810 Pit Intelligent Multi-Basen Protection S810 Pit Intelligent Multi-Basen Protection S811 Maintenance Indication at Hall Indicator S812 Pit Intelligent Multi-Basen Protection S813 Maintenance Indication at Hall Indicator S814 Car Emergency Terminal Stopping Device, ETSD (SIL3) (For Rated Speed 180m/min) Emergency Terminal Stopping Device, ETSD (SIL3) (For Rated Speed 180m/min) Emergency Solution S82 Pit Emergency Operation (Multomatic) S83 Pit Emergency Operation (Multomatic) S84 Emergency Electric Operation (Maintenance) S85 Micro Levelling (Trave) ≥ 45m) S87 Special Cancellation (Applicable for Simplex, Duplex, Fit 100, Fit-600 and Fit-700 only) S87 Car Elon Button Flashing S87 Car Call Deselection S87 Special Public Recovery Function (Applicable for Simplex, Duplex and Fit-10 only) S87 Car Call Deselec	SB1	Overspeed Electrical Protection	SB2	Overspeed Mechanical Protection
S87 Standby Regular Auto-Check S89 Synchronous Motor Magnetic Pole Test S810 Lift Position Abnormity Auto-Correction Function S811 Nearest Landing Operation S812 Anti-Electronagentic Interference White Communication S813 Unintended Car Movement Protection, UCMP Function (SIL3) S814 Ascending Car Overspeed Protection, ACOP Function (SIL3) S815 Motor Energy Saving Control S816 Motor Energy Saving Control S817 Intelligent Auxiliary Brake Function S816 Communication S817 Intelligent Auxiliary Brake Function S818 Test Intercom Communication S819 Pit Intercom Communication S810 Pit Intercom Communication S811 Alarm System S810 Door Safety Return System S811 Pit Intercom Communication S812 Overload Alarm S813 Not Pit Intercom Communication S814 Next Drive (Door Open Abnormity) S810 Door Opening Closing Time Abnormity Protection S810 Automatic Door Deel I Time Adjustment S810 Number of Runs Indicator S811 Intelligent Multi-Beam Protection S812 Current Floor Push-Button Reopening Function S813 Maintenance Indication at Hall Indicator S814 Overload Indicator (In Car) S815 Pit Parking Operation (SIL3) S816 Fire Emergency Operation (Automatic) S817 Parking Operation S818 Start Torque Auto-Adjustment S819 Car Emergency Electric Operation (SIL3) S819 Micro Levelling (Travel 2 45m) S810 Overload Indicator (In Car) S810 Overload Indicator (In Car) S811 Car Fan Auto Turn-Off Advance Door Opening (Rated Speed ≥ 120m/min) S819 Car Light Auto Turn-Off S810 Car Light Auto Turn-Off Applicable for Simplex, Duplex and FI-10 only) S810 Car Call Deselection Simplex, Duplex and FI-10 only) S811 Car Call Deselection Simplex Coulding S812 Car Emergency Electric Operation (Applicable for Simplex Duplex and FI-10 only) S814 Car Call Deselection Simplex Coulding S815 Manual Micro Levelling S816 Indicator S812 Indicator S812 Indicator S812 Indicator S813 Indicator S813 Indicator S814 I	SB3	Rope Slipping Running Protection	SB4	Motor Overload (Thermal) Protection
Sept	SB5	Automatic Fault Detection	SB6	Automatic Fault Recording
Sel1	SB7	Standby Regular Auto-Check	SB8	Double Brake-Safety Check Operation
SB13	SB9	Synchronous Motor Magnetic Pole Test	SB10	Lift Position Abnormity Auto-Correction Function
SB15 Motor Energy Saving Control SB16 Self Diagnosis Inverter	SB11	Nearest Landing Operation	SB12	Anti-Electromagnetic Interference
S817 Intelligent Auxiliary Brake Function Safe Communication SC1 Car Intercom Communication SC3 Pit Intercom Communication SC3 Pit Intercom Communication Safe Riding SD1 Alarm System SD2 Door Safety Return System SD3 Pit Intercom Communication SD5 Overload Detection System SD5 Overload Alarm SD6 Next Drive (Door Open Abnormity) SD7 Door Opening/Closing Time Abnormity Protection SD8 Automatic Door Dwell Time Adjustment SD10 Intelligent Multi-Beam Protection SD11 Intelligent Multi-Beam Protection SD11 Intelligent Multi-Beam Protection SD13 Maintenance Indication at Hall Indicator SD14 Overload Indicator (In Car) SD15 Grated Speed 180m/min) Emergency Solution SE1 Out of Door-Open Zone Alarm SE2 Car Emergency Lighting SE3 Fire Emergency Operation (Automatic) SE4 Emergency Electric Operation (SIL3) Design for Comfort SF1 Parking Operation SF2 Automatic Return Function SF3 Start Torque Auto-Adjustment SF4 Door-Stop Function (Maintenance) SF5 Micro Levelling (Travel ≥ 45m) SF6 Advance Door Opening (Rated Speed ≥ 120m/min) SF7 (Applicable for Simplex, Duplex, FI-100, FI-600 and FI-700 only) SF10 Car Fan Auto Turn-Off SF11 Step-Less Speed Control Overloading Hall Call Recovery Function (Applicable for Simplex, Duplex and FI-10 only) SF10 Manual Setting for Start Base Floor Function (Applicable for Simplex, Duplex and FI-10 only) SF19 Manual Micro Levelling Manual Micro Levelling SF19 Manual Micro Levelling	SB13	Unintended Car Movement Protection, UCMP Function (SIL3) ①	SB14	Ascending Car Overspeed Protection, ACOP Function (SIL3)
Safe Communication SC1 Car Intercom Communication SC2 Pt Intercom Communication SC3 Pt Intercom Communication SC4 Overload Detection System SC5 Overload Alarm SC5 Overload Detection System SC6 Next Drive (Door Open Abnormity) SC7 Door Opening/Closing Time Abnormity Protection SC7 Door Opening/Closing Time Abnormity Protection SC8 Automatic Door Devel Time Control SC8 Automatic Door Devel Time Control SC9 Automatic Door Devel Time Adjustment SC9 Automatic Door Devel Time Control SC9 Automatic Door Devel Time Control SC9 Automatic Door Devel Time Control SC9 Current Floor Push-Button Reopening Function SC9 Current Floor Push	SB15	Motor Energy Saving Control	SB16	Self Diagnosis Inverter
SC1 Car Intercom Communication SC3 PIt Intercom Communication Safe Riding SD1 Alarm System SD3 Full Load Bypass Operation SD4 Overload Detection System SD5 Overload Alarm SD6 Overload Alarm SD7 Door Opening/Closing Time Abnormity Protection SD8 Automatic Door Dwell Time Adjustment SD9 Automatic Door Dwell Time Adjustment SD10 Intelligent Multi-Beam Protection SD11 Intelligent Multi-Beam Protection SD12 Current Floor Push-Button Reopening Function SD13 Maintenance Indication at Hall Indicator SD14 Cerrent Floor Push-Button Reopening Function SD15 (For Rated Speed 180m/min) Emergency Terminal Stopping Device, ETSD (SiL3) For Rated Speed 180m/min) Emergency Solution SE1 Out of Door-Open Zone Alarm SE2 Car Emergency Lighting SE3 Fire Emergency Operation (Automatic) SE4 Emergency Electric Operation (SiL3) Design for Comfort SF1 Parking Operation SF2 Automatic Return Function SF3 Start Torque Auto-Adjustment SF4 Door-Stop Function (Maintenance) SF5 Micro Levelling (Travel ≥ 45m) SF6 Advance Door Opening (Rated Speed ≥ 120m/min) SF7 (Applicable for Simplex, Duplex, FI-100, FI-600 and FI-700 only) SF8 Car Light Auto Turn-off Abnormal Duration Hall Call Detection (Applicable for Simplex, Duplex and FI-10 only) SF10 Car Call Deselect Function SF11 Door Bypass Detection SF12 Car Call Deselect Function SF13 Car Call Deselect Function SF14 Limit Illumination of Registered Car Calls Manual Setting for Start Base Floor Function SF19 Manual Micro Levelling	SB17	Intelligent Auxiliary Brake Function		
Scafe Riding SD1 Alarm System SD2 Door Safety Return System SD3 Full Load Bypass Operation SD4 Overload Detection System SD5 Overload Alarm SD6 Next Drive (Door Open Abnormity) SD7 Door Opening/Closing Time Abnormity Protection SD8 Automatic Door Dwell Time Adjustment SD10 Number of Runs Indicator SD11 Intelligent Multi-Beam Protection SD12 Current Floor Push-Button Reopening Function SD13 Maintenance Indication at Hall Indicator SD14 Overload Indicator (In Car) Emergency Terminal Stopping Device, ETSD (SIL3) (For Rated Speed 180m/min) Emergency Solution SE1 Out of Door-Open Zone Alarm SE2 Car Emergency Electric Operation (SIL3) Design for Comfort SP1 Parking Operation SP2 Automatic Return Function SP3 Start Torque Auto-Adjustment SP4 Door-Stop Function (Maintenance) SP5 Micro Levelling (Travel ≥ 45m) SP6 Advance Door Opening (Rated Speed ≥ 120m/min) SP7 Mischievous Call Cancellation (Applicable for Simplex, Duplex, FI-100, FI-600 and FI-700 only) SP13 Car Call Deselect Function SP14 Step-Less Speed Control SP15 Door Stypass Detection SP16 Car Light Auto Turn-off Abnormal Duration Hall Call Detection SP18 Car Call Deselect Function SP19 Manual Setting for Start Base Floor Function (Applicable for Simplex, Duplex and FI-10 only) SP18 Manual Setting for Start Base Floor Function (Applicable for Simplex, Duplex and FI-10 only) SP19 Manual Micro Levelling SP20 Intelligent Broadcast System ①	Safe (
Safe Ricking SD1 Alarm System SD2 Door Safety Return System SD3 Full Load Bypass Operation SD4 Overload Detection System SD5 Overload Alarm SD6 Overload Alarm SD7 Door Opening/Closing Time Abnormity Protection SD8 Automatic Door Dwell Time Control SD9 Automatic Door Dwell Time Adjustment SD10 Number of Runs Indicator SD11 Intelligent Multi-Beam Protection SD12 Current Floor Push-Button Reopening Function SD13 Maintenance Indication at Hall Indicator SD14 Overload Indicator (In Car) SD15 Emergency Terminal Stopping Device, ETSD (SIL3) (For Rated Speed 180m/min) Emergency Solution SE1 Out of Door-Open Zone Alarm SE2 Car Emergency Lighting SE3 Fire Emergency Operation (Automatic) SE4 Emergency Electric Operation (SIL3) Design for Comfort SF1 Parking Operation SF2 Automatic Return Function SF3 Start Torque Auto-Adjustment SF4 Door-Stop Function (Maintenance) SF5 Micro Levelling (Travel ≥ 45m) SF6 Advance Door Opening (Rated Speed ≥ 120m/min) Mischievous Call Cancellation (Applicable for Simplex, Duplex, FI-100, FI-600 and FI-700 only) SF1 Car Light Auto Turn-off Abnormal Duration Hall Call Detection (Applicable for Simplex, Duplex and FI-10 only) SF12 Car Call Deselect Function SF13 Car Call Deselect Function SF14 Step-Less Speed Control SF15 Manual Setting for Start Base Floor Function (Applicable for Simplex, Duplex and FI-10 only) SF16 (Applicable for Simplex, Duplex and FI-10 only) SF17 (Applicable for Simplex, Duplex and FI-10 only) SF18 Limit Illumination of Registered Car Calls (Applicable for Simplex only) Manual Micro Levelling SF19 Manual Micro Levelling	SC1	Car Intercom Communication	SC2	Car Top Intercom Communication
SD1 Alarm System SD2 Door Safety Return System SD3 Full Load Bypass Operation SD4 Overload Detection System SD5 Overload Alarm SD6 Overload Alarm SD6 Overload Alarm SD6 Overload Alarm SD6 Next Drive (Door Open Abnormity) SD7 Door Opening/Closing Time Abnormity Protection SD8 Automatic Door Dwell Time Control Number of Runs Indicator SD10 Number of Runs Indicator SD11 Intelligent Multi-Beam Protection SD12 Current Floor Push-Button Reopening Function SD13 Maintenance Indication at Hall Indicator SD14 Overload Indicator (In Car)	SC3	Pit Intercom Communication		
SD3 Full Load Bypass Operation SD4 Overload Detection System	Safe I	Riding		
SD3 Full Load Bypass Operation SD4 Overload Detection System	SD1	Alarm System	SD2	Door Safety Return System
SD7 Door Opening/Closing Time Abnormity Protection SD8 Automatic Door Owell Time Control SD9 Automatic Door Dwell Time Adjustment SD10 Number of Runs Indicator SD11 Intelligent Multi-Beam Protection SD12 Current Floor Push-Button Reopening Function SD13 Maintenance Indication at Hall Indicator SD14 Overload Indicator (In Car) SD15 Emergency Terminal Stopping Device, ETSD (SIL3) (For Rated Speed 180m/min) For Rated Speed 180m/min) Emergency Solution SE2 Car Emergency Lighting SE3 Fire Emergency Operation (Automatic) SE4 Emergency Electric Operation (SIL3) Design for Comfort SF2 Automatic Return Function SF3 Start Torque Auto-Adjustment SF4 Door-Stop Function (Maintenance) SF5 Micro Levelling (Travel ≥ 45m) SF6 Advance Door Opening (Rated Speed ≥ 120m/min) SF6 Mischievous Call Cancellation SF6 Advance Door Opening (Rated Speed ≥ 120m/min) SF7 Abnormal Duration Hall Call Detection SF8 Car Fan Auto Turn-Off SF11 Abnormal Duration Hall Call Detection SF12 Car Floor Button Flashing SF15 Car Call Deselect Fun	SD3	Full Load Bypass Operation	SD4	
SD9	SD5	Overload Alarm	SD6	Next Drive (Door Open Abnormity)
SD11	SD7	Door Opening/Closing Time Abnormity Protection	SD8	Automatic Door Dwell Time Control
SD13 Maintenance Indication at Hall Indicator SD14 Overload Indicator (In Car)	SD9	Automatic Door Dwell Time Adjustment	SD10	Number of Runs Indicator
Emergency Terminal Stopping Device, ETSD (SIL3) (For Rated Speed 180m/min) Emergency Solution SE1 Out of Door-Open Zone Alarm SE2 Car Emergency Lighting SE3 Fire Emergency Operation (Automatic) SE4 Emergency Electric Operation (SIL3) Design for Comfort SF1 Parking Operation SF2 Automatic Return Function SF3 Start Torque Auto-Adjustment SF4 Door-Stop Function (Maintenance) SF5 Micro Levelling (Travel ≥ 45m) SF6 Advance Door Opening (Rated Speed ≥ 120m/min) SF7 Mischievous Call Cancellation (Applicable for Simplex, Duplex, FI-100, FI-600 and FI-700 only) SF9 Car Light Auto Turn-off SF10 Car Fan Auto Turn-Off SF11 Abnormal Duration Hall Call Detection (Applicable for Simplex, Duplex and FI-10 only) SF12 Car Call Deselect Function SF13 Car Call Deselect Function SF14 Step-Less Speed Control Overloading Hall Call Recovery Function (Applicable for Simplex, Duplex and FI-10 only) SF17 Manual Setting for Start Base Floor Function (Applicable for Simplex, Duplex and FI-10 only) SF18 Limit Illumination of Registered Car Calls SF19 Manual Micro Levelling SF20 Intelligent Broadcast System ①	SD11	Intelligent Multi-Beam Protection	SD12	Current Floor Push-Button Reopening Function
Emergency Solution	SD13	Maintenance Indication at Hall Indicator	SD14	Overload Indicator (In Car)
SE1 Out of Door-Open Zone Alarm SE2 Car Emergency Lighting SE3 Fire Emergency Operation (Automatic) SE4 Emergency Electric Operation (SIL3) Design for Comfort SF1 Parking Operation SF2 Automatic Return Function SF3 Start Torque Auto-Adjustment SF4 Door-Stop Function (Maintenance) SF5 Micro Levelling (Travel ≥ 45m) SF6 Advance Door Opening (Rated Speed ≥ 120m/min) SF7 Mischievous Call Cancellation (Applicable for Simplex, Duplex, FI-100, FI-600 and FI-700 only) SF8 Opposite Direction Car Call Cancellation SF9 Car Light Auto Turn-off SF10 Car Fan Auto Turn-Off SF11 Abnormal Duration Hall Call Detection (Applicable for Simplex, Duplex and FI-10 only) SF12 Car Floor Button Flashing SF13 Car Call Deselect Function SF14 Step-Less Speed Control SF15 Door Bypass Detection SF16 Overloading Hall Call Recovery Function (Applicable for Simplex, Duplex and FI-10 only) SF17 Manual Setting for Start Base Floor Function (Applicable for Simplex only) SF18 Limit Illumination of Registered Car Calls SF19 Manual Micro Levelling SF20 Intelligent Broadcast Sys	SD15			
SE1 Out of Door-Open Zone Alarm SE2 Car Emergency Lighting SE3 Fire Emergency Operation (Automatic) SE4 Emergency Electric Operation (SIL3) Design for Comfort SF1 Parking Operation SF2 Automatic Return Function SF3 Start Torque Auto-Adjustment SF4 Door-Stop Function (Maintenance) SF5 Micro Levelling (Travel ≥ 45m) SF6 Advance Door Opening (Rated Speed ≥ 120m/min) SF7 Mischievous Call Cancellation (Applicable for Simplex, Duplex, FI-100, FI-600 and FI-700 only) SF8 Opposite Direction Car Call Cancellation SF9 Car Light Auto Turn-off SF10 Car Fan Auto Turn-Off SF11 Abnormal Duration Hall Call Detection (Applicable for Simplex, Duplex and FI-10 only) SF12 Car Floor Button Flashing SF13 Car Call Deselect Function SF14 Step-Less Speed Control SF15 Door Bypass Detection SF16 Overloading Hall Call Recovery Function (Applicable for Simplex, Duplex and FI-10 only) SF17 Manual Setting for Start Base Floor Function (Applicable for Simplex only) SF18 Limit Illumination of Registered Car Calls SF19 Manual Micro Levelling SF20 Intelligent Broadcast Sys	Emer	gency Solution		
SE3 Fire Emergency Operation (Automatic) SE4 Emergency Electric Operation (SIL3) Design for Comfort SF1 Parking Operation SF2 Automatic Return Function SF3 Start Torque Auto-Adjustment SF4 Door-Stop Function (Maintenance) SF5 Micro Levelling (Travel ≥ 45m) SF6 Advance Door Opening (Rated Speed ≥ 120m/min) SF7 Mischievous Call Cancellation (Applicable for Simplex, Duplex, FI-100, FI-600 and FI-700 only) SF8 Opposite Direction Car Call Cancellation SF8 Car Fan Auto Turn-Off SF10 Car Fan Auto Turn-Off SF12 Car Foor Button Flashing SF12 Car Call Deselect Function SF14 Step-Less Speed Control Overloading Hall Call Recovery Function (Applicable for Simplex Duplex and FI-10 only) SF18 Limit Illumination of Registered Car Calls SF18			SE2	Car Emergency Lighting
Design for Comfort SF1 Parking Operation SF2 Automatic Return Function SF3 Start Torque Auto-Adjustment SF4 Door-Stop Function (Maintenance) SF5 Micro Levelling (Travel ≥ 45m) SF6 Advance Door Opening (Rated Speed ≥ 120m/min) SF7 Mischievous Call Cancellation (Applicable for Simplex, Duplex, FI-100, FI-600 and FI-700 only) SF8 Opposite Direction Car Call Cancellation SF9 Car Light Auto Turn-off SF10 Car Fan Auto Turn-Off SF11 Abnormal Duration Hall Call Detection (Applicable for Simplex, Duplex and FI-10 only) SF12 Car Floor Button Flashing SF13 Car Call Deselect Function SF14 Step-Less Speed Control SF15 Door Bypass Detection SF16 Overloading Hall Call Recovery Function (Applicable for Simplex, Duplex and FI-10 only) SF17 Manual Setting for Start Base Floor Function (Applicable for Simplex only) SF18 Limit Illumination of Registered Car Calls SF19 Manual Micro Levelling SF20 Intelligent Broadcast System ①				
SF1 Parking Operation SF2 Automatic Return Function SF3 Start Torque Auto-Adjustment SF4 Door-Stop Function (Maintenance) SF5 Micro Levelling (Travel ≥ 45m) SF6 Advance Door Opening (Rated Speed ≥ 120m/min) SF7 Mischievous Call Cancellation (Applicable for Simplex, Duplex, FI-100, FI-600 and FI-700 only) SF8 Opposite Direction Car Call Cancellation SF9 Car Light Auto Turn-off SF10 Car Fan Auto Turn-Off SF11 Abnormal Duration Hall Call Detection (Applicable for Simplex, Duplex and FI-10 only) SF12 Car Floor Button Flashing SF13 Car Call Deselect Function SF14 Step-Less Speed Control SF15 Door Bypass Detection SF16 Overloading Hall Call Recovery Function (Applicable for Simplex, Duplex and FI-10 only) SF17 Manual Setting for Start Base Floor Function (Applicable for Simplex only) SF18 Limit Illumination of Registered Car Calls SF19 Manual Micro Levelling SF20 Intelligent Broadcast System ①	Desia			
SF3 Start Torque Auto-Adjustment SF4 Door-Stop Function (Maintenance) SF5 Micro Levelling (Travel ≥ 45m) SF6 Advance Door Opening (Rated Speed ≥ 120m/min) SF7 Mischievous Call Cancellation (Applicable for Simplex, Duplex, FI-100, FI-600 and FI-700 only) SF8 Opposite Direction Car Call Cancellation SF9 Car Light Auto Turn-off SF10 Car Fan Auto Turn-Off SF11 Abnormal Duration Hall Call Detection (Applicable for Simplex, Duplex and FI-10 only) SF12 Car Floor Button Flashing SF13 Car Call Deselect Function SF14 Step-Less Speed Control SF15 Door Bypass Detection SF16 Overloading Hall Call Recovery Function (Applicable for Simplex, Duplex and FI-10 only) SF17 Manual Setting for Start Base Floor Function (Applicable for Simplex only) SF18 Limit Illumination of Registered Car Calls SF19 Manual Micro Levelling SF20 Intelligent Broadcast System ①			SF2	Automatic Return Function
SF5 Micro Levelling (Travel ≥ 45m) SF6 Advance Door Opening (Rated Speed ≥ 120m/min) SF7 Mischievous Call Cancellation (Applicable for Simplex, Duplex, FI-100, FI-600 and FI-700 only) SF8 Opposite Direction Car Call Cancellation SF9 Car Light Auto Turn-off SF10 Car Fan Auto Turn-Off SF11 Abnormal Duration Hall Call Detection (Applicable for Simplex, Duplex and FI-10 only) SF12 Car Floor Button Flashing SF13 Car Call Deselect Function SF14 Step-Less Speed Control SF15 Door Bypass Detection SF16 Overloading Hall Call Recovery Function (Applicable for Simplex, Duplex and FI-10 only) SF17 Manual Setting for Start Base Floor Function (Applicable for Simplex only) SF18 Limit Illumination of Registered Car Calls SF19 Manual Micro Levelling SF20 Intelligent Broadcast System ①			_	
SF7 Mischievous Call Cancellation (Applicable for Simplex, Duplex, FI-100, FI-600 and FI-700 only) SF9 Car Light Auto Turn-off SF11 Abnormal Duration Hall Call Detection (Applicable for Simplex, Duplex and FI-10 only) SF12 Car Floor Button Flashing SF13 Car Call Deselect Function SF14 Step-Less Speed Control SF15 Door Bypass Detection SF16 Overloading Hall Call Recovery Function (Applicable for Simplex, Duplex and FI-10 only) SF17 Manual Setting for Start Base Floor Function (Applicable for Simplex only) SF18 Limit Illumination of Registered Car Calls SF19 Manual Micro Levelling SF20 Intelligent Broadcast System ①			_	
Abnormal Duration Hall Call Detection (Applicable for Simplex, Duplex and FI-10 only) SF13 Car Call Deselect Function SF14 Step-Less Speed Control Overloading Hall Call Recovery Function (Applicable for Simplex, Duplex and FI-10 only) SF15 Door Bypass Detection SF16 Overloading Hall Call Recovery Function (Applicable for Simplex, Duplex and FI-10 only) SF17 Manual Setting for Start Base Floor Function (Applicable for Simplex only) SF18 Limit Illumination of Registered Car Calls SF19 Manual Micro Levelling SF20 Intelligent Broadcast System ①		Mischievous Call Cancellation		
Abnormal Duration Hall Call Detection (Applicable for Simplex, Duplex and FI-10 only) SF13 Car Call Deselect Function SF14 Step-Less Speed Control Overloading Hall Call Recovery Function (Applicable for Simplex, Duplex and FI-10 only) SF15 Door Bypass Detection SF16 Overloading Hall Call Recovery Function (Applicable for Simplex, Duplex and FI-10 only) SF17 Manual Setting for Start Base Floor Function (Applicable for Simplex only) SF18 Limit Illumination of Registered Car Calls SF19 Manual Micro Levelling SF20 Intelligent Broadcast System ①	SF9	Car Light Auto Turn-off	SF10	Car Fan Auto Turn-Off
SF13 Car Call Deselect Function SF14 Step-Less Speed Control Overloading Hall Call Recovery Function (Applicable for Simplex, Duplex and FI-10 only) SF17 Manual Setting for Start Base Floor Function (Applicable for Simplex only) SF18 Limit Illumination of Registered Car Calls SF19 Manual Micro Levelling SF20 Intelligent Broadcast System ①		Abnormal Duration Hall Call Detection		
SF15 Door Bypass Detection SF16 Overloading Hall Call Recovery Function (Applicable for Simplex, Duplex and FI-10 only) SF17 Manual Setting for Start Base Floor Function (Applicable for Simplex only) SF18 Limit Illumination of Registered Car Calls SF19 Manual Micro Levelling SF20 Intelligent Broadcast System ①	SF13		SF14	Step-Less Speed Control
SF15 Door Bypass Detection SF16 (Applicable for Simplex, Duplex and FI-10 only) SF17 Manual Setting for Start Base Floor Function (Applicable for Simplex only) SF18 Limit Illumination of Registered Car Calls SF19 Manual Micro Levelling SF20 Intelligent Broadcast System ①				
SF17 (Applicable for Simplex only) SF18 Limit Illumination of Registered Car Calls SF19 Manual Micro Levelling SF20 Intelligent Broadcast System ①	SF15	Door Bypass Detection	SF16	,
	SF17		SF18	Limit Illumination of Registered Car Calls
SF21 Elevator Sleep Function	SF19	Manual Micro Levelling	SF20	Intelligent Broadcast System ①
	SF21	Elevator Sleep Function		

Note:
① For details, please contact us.

Elevator Function

Optional Function

Contr	ol System		
OA1	Down Collective Control	OA2	Duplex Collective Control
OA3	FI-10 Group Control System ①	OA4	FI-100 Group Control System ①
OA5	FI-600 Group Control System ①	OA6	FI-700 Group Control System ①
OA7	Independent Automatic Operation ①	OA8	VIP Service
UAI	(For Duplex and Group Control)	UAo	(For Duplex and Group Control)
040	Rush Hour Schedule Operation		
OA9	(Applicable for FI-10, FI-600 and FI-700 only)		
Safe (Communication		
OB1	Interphone System (5 Ways) (5 Ways: Monitoring Center, Machine Room, In Car, Car Top and Pit.)		
Safe I	Riding		
	IC Card Security System (In Car) ①	000	IC Card Security System (Hall) ①
OC1	(Not Applicable with OC2, OC4, OC5 or OE5)	OC2	(Not Applicable with OC1, OC4, OC5 or OE5)
		004	Hitachi Smart Security [ITM] Interface
OC3	Multi-Beam + Safety Edge Protection	OC4	(Not Applicable with OC1, OC2, OC5 or OE5)
005	Intercom Linkage Interface for Elevator Access	006	Contact at Control Danel (DC405)
OC5	(Not Applicable with OC1, OC2, OC4 or OE5)	OC6	Contact at Control Panel (RS485)
007	Contact at Control Panel (Dry Contacts)	000	Supervisory Panel (Dry Contact Type)
OC7	(Not Applicable with OC8)	OC8	(Not Applicable with OC7)
OC9	Elevator Monitoring System (Computer Type)	OC10	Twisted Pair Cable (1 Pair) for CCTV Interface
OC11	Twisted Pair Cable (1 Pair) for BGM Interface		
Emer	gency Solution		
OD1	Fireman Operation	OD2	Automatic Rescue Device (ARD)
	(Rated Load ≥ 825kg)	ODZ	(Maximum Travel Distance Between Landings ≤ 30m)
OD3	Emergency Operation for Power Failure (Manual)	OD4	Emergency Operation for Power Failure (Auto)
OD5	Earthquake Emergency Operation	OD6	Pit Flood Operation
Desig			
OE1	Attendant Operation	OE2	Independent Operation
OE3	Voice Synthesiser	OE4	Arrival Chinas (Car Tan and Battama)
OES	(Not Applicable with SF20)	OE4	Arrival Chime (Car Top and Bottom)
OE5	Floor Lockout Operation	OE6	Door Opening Prolong Button
OL3	(Not Applicable with OC1, OC2, OC4 or OC5)	OLU	Door Opening Froiding Button
OE7	Regenerative System Function ①	OE8	Double Opening Function ①
OLI	Tregenciative System andition (OLO	(Applicable for Simplex, Duplex or FI-10 only)
OE9	Sub Car Operating Panel	OE10	Electromagnetic Compatibility (EMC) Function
OE11	Horizontal Car Operating Panel	OE12	Braille Button
OE13	Hall Lantern with Arrival Chime Interface ①	OE14	Operation Status Indication at Hall Indicator
OE15	Destination Floor Reservation System, DFRS ① (Under FI-600 or FI-700)	OE16	Ultraviolet, UV Sterilisation Function ①
OE17	Hall Call Deselect Function ①	OE18	Quick Door Closing Function (In Car)
0540	(Applicable for Simplex, Duplex or FI-10 with Single Opening only)	0500	Micro Levelling (Travel & 45ms)
OE19	Hall Lantern with Arrival Chime ①	OE20	Micro Levelling (Travel < 45m)
OE21	Advance Door Opening (Rated Speed < 120m/min)	OE22	Nighttime Protective Operation

① For details, please contact us.

Overhead Height and Pit Depth

	Rated Speed (m/min)	Overhead Height, OH (mm)		
	60	4550		
450	90	4700	1450	
100	105	4750	1500	
	60	4350		
630	90	4450	1450	
	105	4550	1500	
	60	4350		
	90	4450	1450	
	105	4550	1500	
825	120	4700	1600	
	150			
	180	5100	1900	
	60	4350	4450	
	90	4450	1450	
	105	4550	1500	
900	120	4700	1600	
	150	5400	4000	
	180	5100	1900	
	60	4350	1450	
	90	4450	1450	
1050	105	4550	1500	
1050	120	4700	1600	
	150	5400	4000	
	180	5100	1900	
	60	4350	1450	
	90	4450	1400	
1050	105	4550	1500	
(Deep Car)	120	4700	1600	
	150	5100	4000	
	180	5100	1900	
	60	4350	1450	
	90	4450	1400	
1050	105	4550	1500	
(Wide Car)	120	4700	1600	
	150	E400	4000	
	180	5100	1900	

N	oto.	

- ① The above information are based on GB7588-2003 standards.
- 2 The overhead height,OH is based on bare ceiling height of 2450mm.
- ③ The pit depth,PIT is based on vinyl tile finish without recess.
- 4 Configuration is without counterweight safety gear.
- ⑤ Configuration is based on decoration weight provision up to 120kg.

	Rated Speed		Overhead I (m				Pit Dep (m				
	(m/min)		nterweight	Side Cour	iterweight	Rear Cour	nterweight	Side Cour	nterweight		
		Travel≤70m	Travel>70m	Travel≤70m	Travel>70m	Travel≤70m	Travel>70m	Travel≤70m	Travel>70m		
	60	4550	_	4550	_	1450	_	1450	_		
	90		46	50		1550	1600	1550	1600		
1150	105		48	00		1550	1600	1550	1600		
	120		48	50		1600	1650	1600	1650		
	150		51	00			19	000			
	180										
	60	4550	_	4550	_	1450	_	1450	_		
	90	46	50	4650	4700	1550	1600	1550	1600		
1350	105	48	000	4800	4850	1550	1600	1550	1600		
1000	120	48	50	49	00	1600	1650	1650	1650		
	150		51	00			10	000			
	180										
	60	4550	_	4550	_	1450	_	1450	_		
	90	46	50	4650 4700		1550	1600	1550	1600		
1600	105	48	000	4800 4850		1550	1600	1550	1600		
1000	120	48	50	49	00	1600	1650	1650	1650		
	150		E4	00			40	000			
	180		51	00			18	100			
	60	44	50	44	50		12	250			
	90	45	50	49	50		14	50			
4000	105	46	00	50	00		14	50			
1800	120	46	50	50	50		15	500			
	150	49	00	51	50		18	800			
	60	44	50	44	50		12	250			
	90	45	50	51	00		14	50			
2000	105	46	600	51	50	1450					
	120	46	50	52	00	1500					
	150	4900		53	00		18	800			

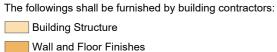
- ① The above information are based on GB7588-2003 standards.
- ② The overhead height,OH is based on bare ceiling height of 2450mm.
 ③ The pit depth,PIT is based on vinyl tile finish without recess.
- 4 Configuration is without counterweight safety gear.
- ⑤ Configuration is based on the following decoration weight provision: For rated load 1150~1350kg, decoration weight provision shall be up to 500kg.

For rated load 1600kg with travel≤150m,decoration weight provision shall be up to 500kg.

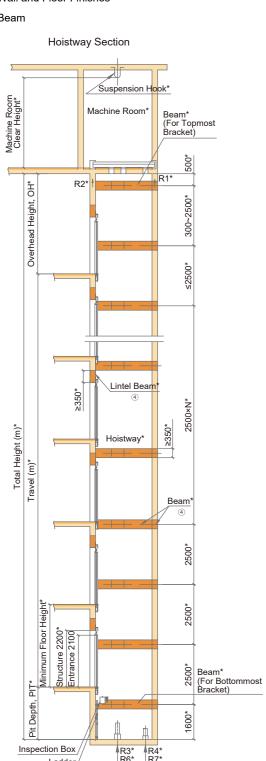
For rated load 1600kg with 150m<travel≤200m,decoration weight provision shall be up to 250kg.

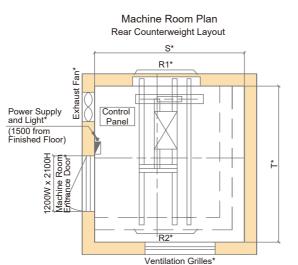
For rated load 1800~2000kg, decoration weight provision shall be up to 1200kg.

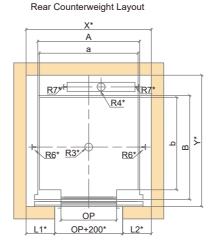
Hoistway and Machine Room



Beam







Hoistway Plan

Note:

- ① The above information are based on GB7588-2003 standards.
- ② Items with "*" shall be furnished by building contractors.
- 3 Unit of dimension shall be in mm unless otherwise stated.
- ④ The hoistway construction shall be reinforced concrete ring beam with strength C25 or whole hoistway of reinforced concrete wall. If you have other situations, please contact us.
- ⑤ For hoistway and machine room details, please contact us.
- ⑥ The suspension hooks capacity shall be as follows:

Rated Load (kg)		Machine Room Clear Height (mm)	
450/630/825/900/1050	60/90/105	2100	3
825/900/1050	120/150	2450	4

	Rated				Opening mm)	Arrang	t Wall gement im)		Machine Room Size (mm)			Pit													
	Speed (m/min)	Car Inside (axb)	Car Outside (AxB)	Туре	Width OP	L1	L2	X×Y	S×T	R1	R2	R3	R4	R6	R										
	60									48.5	30	95	82	29	3										
450	90	1200×1000	1250×1185	2P-CO	800	375	375	1750×1580	1800×1880	51	31.5	101	88	34	5										
	105									40.5		0.5	00		_										
630	90	1400×1100	1450×1285	2B CO	800	415	415	1830×1680	1830×1880	48.5	30	95	82	29	3										
030	105	1400^1100	1430^1203	21-00	000	413	413	1030~1000	1030^1000	51	31.5	101	88	34	5										
	60									58	34.5	113	95	37	3										
	90					415	415	1830×1930	1830×1930																
	105	1400×1350	1450×1535	2P-CO	800					61	36	120	103	44	5										
	120					425	425	1850×1950	1850×1950	73.2	47	153	132	55	7										
	150					423	423	1030^1930	1850×2000	78	48	160	148	57	7										
	60									58	34.5	113	95	37	3										
	90					415	415	1830×1880	1830×1880	61	36	120	103	44	5										
825	105	1400×1300	1450×1485	2P-CO	800																				
	120					425	425	1850×1900	1850×1900	73.2	47	153	132	55	7										
	150									78 58	48 34.5	160	148 95	57 37	3										
	90					400	400	1800×1980	1830×1980	36	34.3	113	95	31											
	105	1300×1400	1350×1585	2P-CO	800	400	400	1000~1900	1030^1300	61	36	120	103	44	5										
	120	10001400	10001000	21 -00	550	410	415	1825×2000	1825×2000	73.2	47	153	132	55	7										
	150					425	425	1850×2000	1850×2000	78	48	160	148	57	7										
	60									63	37	122	103	40	1										
	90					465	465	2030×1930	2030×1930	67	39	131	112	48	١,										
900	105	1600×1350	50 1650×1535 2	2P-CO	900	900					07	39	131	112	40										
	120					475	475	2050×1950	2050×1950	74.5	48	158	136	58	7										
	150							470	470	2000**1000	2050×2000	82	50	165	160	61	7								
	60																			66	40	135	113	42	3
	90	4000 4500	4050 4005			465	465	2030×2080	2030×2080	69.5	42	145	123	50	5										
	105	1600×1500	1650×1685	2P-CO	900					70	40.5	400	440		 										
	120					475	475	2050×2100	2050×2100	78 89	48.5 55	166 175	140 168	60	7										
	150 60									66	40	135	113	42	3										
	90					465	465	2030×1980	2030×1980	00	40	133	113	42											
	105	1600×1400	1650×1585	2P-CO	900	100	400	2000**1000	2000**1000	69.5	42	145	123	50											
	120	10001400	1000**1000	21 -00	300					78	48.5	166	140	60	1										
	150					475	475	2050×2000	2050×2000	89	55	175	168	64	7										
	60									66	40	135	113	42	3										
	90					430	430	1960×2080	1960×2080	69.5	42	145	123	50											
1050	105	1500×1500	1550×1685	2P-CO	900					09.0	42	140	123	30											
	120					450	450	2000×2100	2000×2100	78	48.5	166	140	60	7										
	150					1.00	.50	_0002100		89	55	175	168	64	7										
	60									66	40	135	113	42	- 3										
	90	4400-4000	4450: 4705	00.00	000	430	430	1960×2180	1960×2180	69.5	42	145	123	50	5										
	105	1400×1600	1450×1785	ZP-CO	900							100	140		_										
	120					450	450	2000×2200	2000×2200	78 89	48.5	166	140	60	7										
	150 60									66	55 40	175 135	168 113	64 42	3										
	90					430	430	1960×2180	1960×2180					72											
	105	1500×1600	1550×1785	2P-CO	900		.50	.000 2100		69.5	42	145	123	50	!										
	120	1000								78	48.5	166	140	60	7										
	150	1		1		450	450	2000×2200	2000×2200	89	55	175	168	64	1										

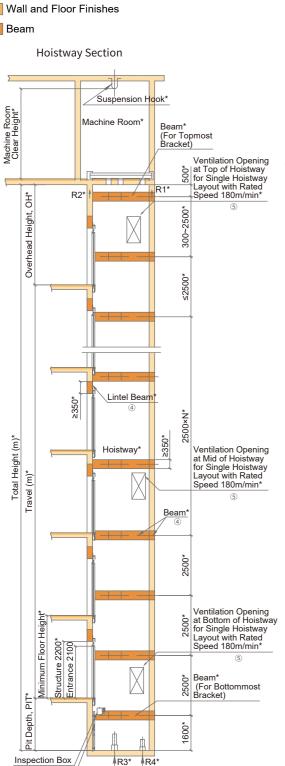
Note:

- ① The above information are based on GB7588-2003 standards.
- 2 The above information and configuration are based on rear counterweight layout.

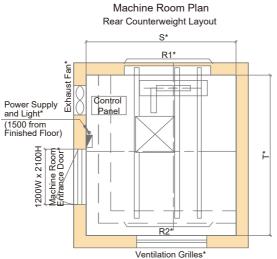
3 Configuration is without counterweight safety gear.

Hoistway and Machine Room

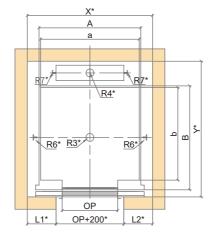
The followings shall be furnished by building contractors: Building Structure Wall and Floor Finishes Beam



Ladder /



Hoistway Plan Rear Counterweight Layout



- 1) The above information are based on GB7588-2003 standards.
- ② Items with "*" shall be furnished by building contractors.
- 3 Unit of dimension shall be in mm unless otherwise stated.
- 4 The hoistway construction shall be reinforced concrete ring beam with strength C25 or whole hoistway of reinforced concrete wall. If you have other situations, please contact us.
- ⑤ For hoistway and machine room details, please contact us.
- 6 The suspension hooks capacity shall be as follows:

Rated Load (kg)	Rated Speed (m/min)	Machine Room Clear Height (mm)	Suspension Hook Capacity (Tons)
1150/1350/1600	60/90/105/120/150	2450	4
825/900/1050/1150/1350/1600	180	2450	4

Rated	Rated		Size m)	Door O		Front Arrang (m		Hoistway Size (mm)	Machine Room Size (mm)	Machine Room Reaction Force (KN)					
		Car Inside (axb)	Car Outside (AxB)	Туре				X×Y	S×T	R1	R2		R4	R6	R7
	60									82	54	165	154	51	5.5
	90									89	58	183	175	58	9
1150	105	1800×1500	1850×1685	2P-CO	1000	550	550	2300×2200	2300×2200	03	30	100	173	30	
	120									92	60	192	184	68	13
	150									32	- 00	102	104		
	60							5 2550×2200	2550×2200	116	91	201	171	66	11
	90	2000×1500			1100	625	625 625			131	96	233	202	76	15
1350	105		2050×1685	2P-CO						101	30	200	202	70	10
	120									136	101	243	212	91	16
	150									130	101	240	212	91	10
	60									126	96	211	181	71	11
	90									136	101	243	212	81	15
1600	105	2000×1750 2	2050×1935	2P-CO	1100	625	625	2550×2450	2550×2450	130	101	243	212	01	
	120									141	101	263	222	96	16
	150									'	101	200		50	

Note:

- ① The above information are based on GB7588-2003 standards.
- 2 The above information and configuration are based on rear counterweight layout.
- 3 Configuration is without counterweight safety gear.

Rated Load	Rated Speed		Size m)	Door C (m	pening m)	Front Arrang (m		Hoistway Size (mm)	Machine Room Size (mm)	Machine Room Reaction Force (KN)					
(kg)	(m/min)			Туре	Width OP			X×Y	S×T	R1	R2	R3	R4	R6	R7
		1400×1350	1450×1535			425	425	1850×2050	2250×2050						
825		1400×1300	1450×1485		800	423	425	1850×2000	2250×2000	116	85	209	188	75	13
		1300×1400	1350×1585			400	400	1800×2100	2225×2100						
900		1600×1350	1650×1535		900		475	2050×2050	2350×2050	118	88	219	188	77	13
		1600×1500	1650×1685			475	475	2050×2200	2350×2200						
	180	1600×1400	1650×1585	2P-CO		4/3	473	2050×2100	2350×2100						
1050	100	1500×1500	1550×1685	26-00	900			2000×2200	2350×2200	122	89	220	190	78	13
		1400×1600	1450×1785			450	450	2000×2300	2350×2300						
		1500×1600	1550×1785					2000*2300	2350*2300						
1150		1800×1500	1850×1685		1000	550	550	2300×2200	2300×2200	133	94	228	197	82	18
1350		2000×1500	2050×1685		1100	625	625	2550×2200	2550×2200	136	101	246	214	93	18
1600		2000×1750	2050×1935		1100	625	625	2550×2450	2550×2450	141	101	263	222	96	18

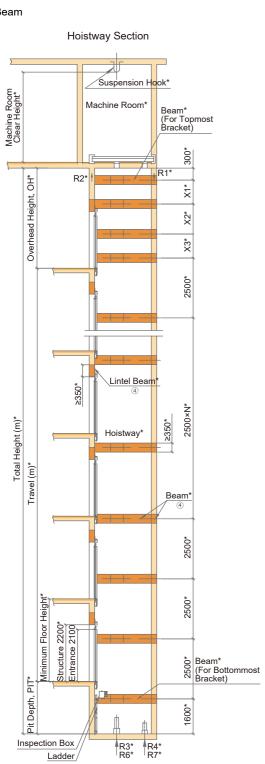
- ① The above information are based on GB7588-2003 standards.
- ② The above information and configuration are based on rear counterweight layout.
- 3 Configuration is without counterweight safety gear

The followings shall be furnished by building contractors:

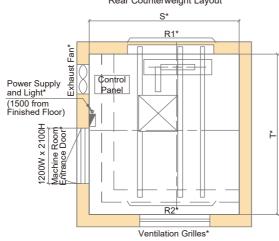
Building Structure

Wall and Floor Finishes

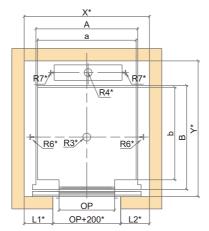
Beam



Machine Room Plan Rear Counterweight Layout



Hoistway Plan Rear Counterweight Layout



Note:

- ① The above information are based on GB7588-2003 standards.
- ② Items with "*" shall be furnished by building contractors.
- ③ Unit of dimension shall be in mm unless otherwise stated.
- ④ The hoistway construction shall be reinforced concrete ring beam with strength C25 or whole hoistway of reinforced concrete wall. If you have other situations, please contact us.
- $\ensuremath{\mathfrak{S}}$ For hoistway and machine room details, please contact us.
- 6 The suspension hooks capacity shall be as follows:

	Rated Speed (m/min)	Machine Room Clear Height (mm)	
1800/2000	60/90/105/120/150/180	2500	4

Hoistway and Machine Room

Rated	Rated		Size m)	Door O	pening m)	Front Arrang (m		Hoistway Size (mm)	Machine Room Size (mm)	Machine Room Reaction Force (KN)					
Load (kg)	Speed (m/min)		Car Outside (AxB)	Туре	Width OP		L2	X×Y	S×T	R1	R2		R4	R6	R7
	60									175	125	245	205	85	20
	90									185	125	260	220	100	25
1800	105	2200×1700	2250×1885	2P-CO	1200	650	650	2700×2400	2950×2400	103	123	200	220	100	
1000	120	2200×1700	2230 ~ 1003	21 -00	1200	030	030	2700^2400	2930^2400	190	130	270	230	110	30
	150									190	130	210	230	110	
	60									185	125	260	215	90	20
	90									190	130	270	225	100	25
2000	105	2200×1050	2250~2025	2D CO	1200	650	650	2700×2550	2950×2550	130	130	270	223	100	23
2000	120	2200×1850 2	2250×2035 2F	2F-CU	1200	030	030	2700^2330	2950^2550	195	135	280	235	115	30
	150									195	133	200	233	113	00

Note:

- $\ensuremath{\textcircled{1}}$ The above information are based on GB7588-2003 standards.
- 2) The above information and configuration are based on rear counterweight layout.
- 3 Configuration is without counterweight safety gear.

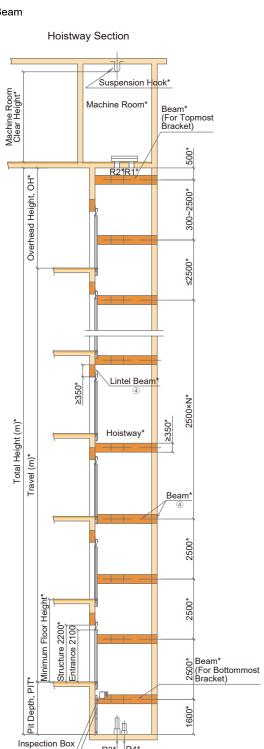
Hoistway and Machine Room

The followings shall be furnished by building contractors:

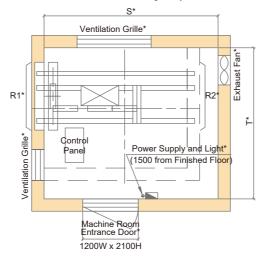
Building Structure

Wall and Floor Finishes

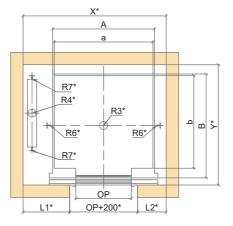
Beam



Machine Room Plan Left Side Counterweight Layout



Hoistway Plan Left Side Counterweight Layout



Note:

- ① The above information are based on GB7588-2003 standards.
- ② Items with "*" shall be furnished by building contractors.
- 3 Unit of dimension shall be in mm unless otherwise stated.
- ④ The hoistway construction shall be reinforced concrete ring beam with strength C25 or whole hoistway of reinforced concrete wall. If you have other situations, please contact us.
- ⑤ For hoistway and machine room details, please contact us.
- ⑥ The suspension hooks capacity shall be as follows:

Rated Load (kg)	Rated Speed (m/min)	Machine Room Clear Height (mm)	Suspension Hook Capacity (Tons)
450/630/825/900/1050	60/90/105	2100	3
825/900/1050	120/150	2450	4

		Cor	Size	Door C	noning	Fron	t Wall	Hoistway Sizo	_Machine	Machin	e Room	Dit	React	ion Fo	500					
	Rated			(m		Arrang (m		Hoistway Size (mm)	Room Size (mm)	Reactio (K		FIL		N)						
	Speed (m/min)	Car Inside (axb)	Car Outside (AxB)	Туре	Width OP	L1	L2	X×Y	S×T	R1	R2	R3	R4	R6	R7					
450	60 90	1400×900	1450×1085	2P-CO	700	700	400	2100×1300	2150×1650	48 50.5	31 32	95 101	82 88	29 34	3 5					
	105 60									48	31	95	82	29	3					
630	90	1400×1100	1450×1285	2P-CO	800	735	415	2150×1550	2150×1750	50.5	32	101	88	34	5					
	60									56.5	37	113	95	37	3					
	90 105	1400×1350	1450×1535	2P-CO	800	705	415	2120×1800	2120×1850	59.5	38.5	120	103	44	5					
	120					725	425	2150×1800	2150×1850	67	46.5	140	125	54	7					
	150					. = -		2150×1850	2150×1900	75	48	150	145	58	7					
005	90	14004000	44504405	00.00	000	705	415	2120×1800	2120×1850	56.5 59.5	37	113	95	37 44	5					
825	105 120	1400×1300	1450×1485	2P-CO	800			2150×1800	2150×1850	67	46.5	140	125	54	7					
	150					725	425	2150×1850	2150×1000	75	48	150	145	58	7					
	60							2100*1000	2100*1000	56.5	37	113	95	37	3					
	90	1300×1400	1350×1585	2P-CO	800	655	385	2040×1850	2040×1850	59.5	38.5	120	103	44	5					
	120					675	400	2075×1850	2075×1850	67	46.5	140	125	54	7					
	150					0/3	400	2075×1900	2075×1900	75	48	150	145	58	7					
	60														61.5	39	122	103	40	3
900	90	1600×1350 1650×1	1650×1535	2P-CO	900	755	465	2320×1800	2320×1850	64.5	40.5	131	112	48	5					
	120		405044005			775	475	2350×1800	2350×1850	72	48	155	135	58	7					
	150							2350×1850	2350×1900	80	49	165	160	62	7					
	90 105	1600×1500		2P.CO		755	465	2320×1950	2320×1950	67.6 70.4	40.2	135 145	113	50 50	5					
	120	1000^1300	1650×1685	2F-00	900					80	50.5	165	145	60	7					
	150					775	475	2350×1950	2350×1950	89	55	175	165	65	7					
	60									67.6	40.2	135	113	42	3					
	90 105	1600×1400	1650×1585	2P-CO	900	755	465	2320×1850	2320×1850	70.4	42.1	145	123	50	5					
	120					775	475	2350×1850	2350×1850	80	50.5	165	145	60	7					
	150					113	4/5	2350×1900	2350×1900	89	55	175	165	65	7					
	60 90					705	430	2235×1950	2235×1950	67.6 70.4	40.2	135	113	42 50	5					
1050	105	1500×1500	1550×1685	2P-CO	900															
	120					725	450	2275×1950	2275×1950	80 89	50.5	165	145	60 65	7					
	150 60									67.6	40.2	175	165	42	3					
	90	1400×1600	1450×1785	2P-CO	900	655	430	2185×2050	2185×2050	70.4	42.1	145	123	50	5					
	120	1400~1000	1430^1703	21 -00	300					80	50.5	165	145	60	7					
	150					675	450	2225×2050	2225×2050	89	55	175	165	65	7					
	60									67.6	40.2	135	113	42	3					
	90	1500×1600	500×1600 1550×1785 2P	2P-CO	900	705	430	2235×2050	2235×2050	70.4	42.1	145	123	50	5					
	120	1500×1600 1550				705	450	2275-2050	227522050	80	50.5	165	145	60	7					
	150					725	450	2275×2050	2275×2050	89	55	175	165	65	7					

Note:

- ① The above information are based on GB7588-2003 standards.
- 2 The above information and configuration are based on left side counterweight layout.

³ Configuration is without counterweight safety gear.

The followings shall be furnished by building contractors:

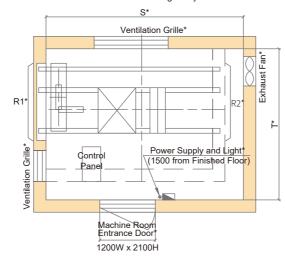
Building Structure

Wall and Floor Finishes

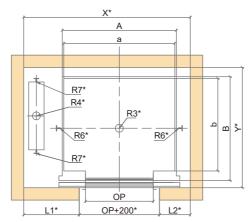
Beam Hoistway Section Suspension Hook* Machine Room Clear Height* Machine Room* (For Topmost Bracket) Ventilation Opening at Top of Hoistway for Single Hoistway Layout with Rated Speed 180m/min* R2*R1* Lintel Bean >350* Ventilation Opening at Mid of Hoistway for Single Hoistway Layout with Rated Speed 180m/min* Ventilation Opening at Bottom of Hoistway for Single Hoistway Layout with Rated Structure 2200* Entrance 2100 Minimum Floor Speed 180m/min* Beam* (For Bottommost Bracket) Inspection Box R3* R4*

Ladder

Machine Room Plan Left Side Counterweight Layout



Hoistway Plan Left Side Counterweight Layout



- ① The above information are based on GB7588-2003 standards.
- 2 Items with "*" shall be furnished by building contractors.
- 3 Unit of dimension shall be in mm unless otherwise stated.
- 4 The hoistway construction shall be reinforced concrete ring beam with strength C25 or whole hoistway of reinforced concrete wall. If you have other situations, please
- ⑤ For hoistway and machine room details, please contact us.
- 6 The suspension hooks capacity shall be as follows:

Rated Load (kg)	Rated Speed (m/min)		Suspension Hoo Capacity (Tons)
1150/1350/1600	60/90/105/120/150	2450	4
825/900/1050/1150/1350/1600	180	2450	4

Hoistway and Machine Room

Rated Load	Rated		Size im)	Door Opening (mm)		Front Wall Arrangement (mm)		Hoistway Size (mm)	Machine Room Size (mm)	Machine Room Reaction Force (KN)					
(kg)	Speed (m/min)	Car Inside (axb)	Car Outside (AxB)	Туре		L1		X×Y	S×T	R1	R2	R3	R4		R7
	60									86	49	162	150	55	5.5
	90									94	51	182	170	62	9
1150		1800×1500	1850×1685	2P-CO	1000	925	5 550	2700×1950	2700×1950	94	31	102	170	02	9
	120									98	55	191	182	71	13
	150									90	55	191	102	/ 1	13
	60									126	86	201	171	66	11
	90				1100	1025	025 625	2950×1950	2950×2100	136	91	233	202	76	15
1350	105	2000×1500	2050×1685	2P-CO						130	91	233	202	70	13
	120									141	96	243	212	91	16
	150									141	90	243	212	91	10
	60									131	91	211	181	71	11
1600	90									141	96	243	212	81	15
	105	2000×1750	2050×1935	2P-CO	1100	1025	625	2950×2200	2950×2250	141	90	243	212	01	13
	120									145	99	263	222	96	16
	150									140	99	203	222	90	10

- ① The above information are based on GB7588-2003 standards.
- 2 The above information and configuration are based on left side counterweight layout.
- 3 Configuration is without counterweight safety gear.

Rated	Rated		Size ım)	Door Opening (mm) Front Water Arrangement (mm)			Hoistway Size Room Size (mm)		m Size Reaction Force						
Load (kg)	Speed (m/min)		Car Outside (AxB)	Туре	Width OP	L1	L2	X×Y	S×T	R1	R2				R7
		1400×1350	1450×1535			875		2300×1850	2300×2050						
825		1400×1300	1450×1485		800	070	425	2000**1000	200012000	116	84	209	188	75	13
		1300×1400	1350×1585			850		2275×1900	2275×2050						
900		1600×1350	1650×1535		900	925	475	2500×1850	2500×2050	120	85	219	188	77	13
		1600×1500	1650×1685			925		2500×1950	05000050						
	100	1600×1400	1650×1585	2P-CO		925		2500×1900	2500×2050						
1050	180	1500×1500	1550×1685	2P-CU	900	875	475	2450×1950	2450×2050	127	84	220	190	78	13
		1400×1600	1450×1785	1		850		2425×2050	2425×2050						
		1500×1600	1550×1785	1		875		2450×2050	2450×2050						
1150	1	1800×1500	1850×1685	1	1000	950	550	2700×1950	2700×2100	135	91	228	197	82	18
1350	1	2000×1500	2050×1685	1	1100	1025	625	2950×1950	2950×2100	141	96	243	212	91	18
1600	1	2000×1750	2050×1935	1	1100	1025	625	2950×2200	2950×2250	141	99	263	222	96	18

- ① The above information are based on GB7588-2003 standards.
- ② The above information and configuration are based on left side counterweight layout.
- 3 Configuration is without counterweight safety gear.

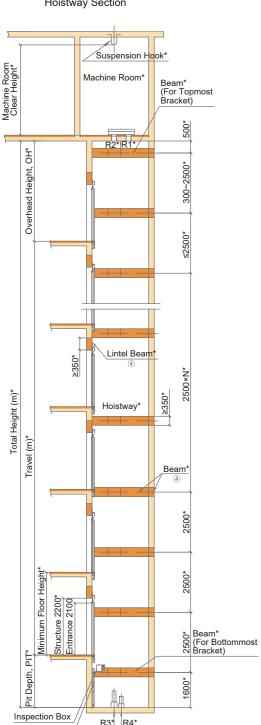
The followings shall be furnished by building contractors:

Building Structure

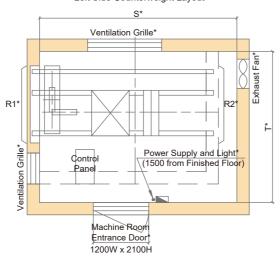
Wall and Floor Finishes

Beam

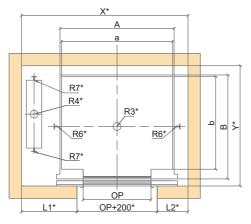
Hoistway Section



Machine Room Plan Left Side Counterweight Layout



Hoistway Plan Left Side Counterweight Layout



- ① The above information are based on GB7588-2003 standards.
- 2 Items with "*" shall be furnished by building contractors.
- ③ Unit of dimension shall be in mm unless otherwise stated.
- 4 The hoistway construction shall be reinforced concrete ring beam with strength C25 or whole hoistway of reinforced concrete wall. If you have other situations, please contact us.
- ⑤ For hoistway and machine room details, please contact us.
- 6 The suspension hooks capacity shall be as follows:

Rated Load	Rated Speed	Machine Room Clear	Suspension Hook
(kg)	(m/min)	Height (mm)	Capacity (Tons)
1800/2000	60/90/105/120/150/180	2500	

Hoistway and Machine Room

Rated Load	Rated Speed		Size nm)	Door Opening (mm)		Front Wall Arrangement (mm)		Hoistway Size Room Size (mm)		Machine Room Reaction Force (KN)					
(kg)		Car Inside (axb)	Car Outside (AxB)	Туре	Width OP	L1	L2	X×Y	S×T	R1	R2	R3	R4	R6	R7
	60									175	125	245	205	85	20
	90									185	125	260	220	100	25
1800	105	2200×1700)×1700 2250×1885	2P-CO	1200	0 1075	675	3150×2150	3150×2450	100	120	200	220	100	
	120								190	130	270	230	110	30	
	150									130	100	210	200	110	
	60									185	125	260	215	90	20
	90									190	130	270	225	100	25
2000 105 120 150	105	2200×1850	2250×2035	2P-CO	1200	1075	675	3150×2300	3150×2550	190	130	270	223	100	23
	120									195	135	280	235	115	30
	150									193	133	200	233	113	30

- $\ensuremath{\textcircled{1}}$ The above information are based on GB7588-2003 standards.
- 2) The above information and configuration are based on left side counterweight layout.
- 3 Configuration is without counterweight safety gear.

The followings shall be furnished by building contractors:

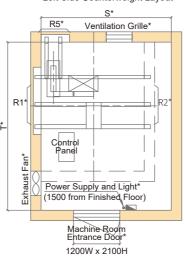
Building Structure

Wall and Floor Finishes

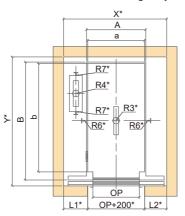
Beam Hoistway Section Suspension Hook* Machine Room Clear Height* Machine Room* (For Topmost Bracket) Ventilation Opening at Top of Hoistway for Single Hoistway Layout with Rated Speed 180m/min* R2*|R1* Lintel Beam Ventilation Opening at Mid of Hoistway for Single Hoistway Layout with Rated Speed 180m/min* Ventilation Opening at Bottom of Hoistway for Single Hoistway Layout with Rated Speed 180m/min* Structure 2200* Entrance 2100 Beam* Beam (For Bottommost Bracket) Inspection Box /

R3* R4*

Machine Room Plan Left Side Counterweight Layout



Hoistway Plan Left Side Counterweight Layout



- ① The above information are based on GB7588-2003 standards.
- ② Items with "*" shall be furnished by building contractors.
- ③ Unit of dimension shall be in mm unless otherwise stated.
- 4 The hoistway construction shall be reinforced concrete ring beam with strength C25 or whole hoistway of reinforced concrete wall. If you have other situations, please
- ⑤ For hoistway and machine room details, please contact us.
- 6 The suspension hooks capacity shall be as follows:

Rated Load (kg)	Rated Speed (m/min)	Machine Room Clear Height (mm)	Suspension Hook Capacity (Tons)
1050	60/90/105	2100	3
1030	120/150/180	2450	4

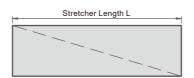
Hoistway and Machine Room

Deep Car

Rated	Rated		Size m)	Door Opening Front Wall Arrangemen (mm)			Hoistway Size (mm)	Machine Room Reaction Force (KN)			Pit Reaction Force (KN)						
Load (kg)	Speed (m/min)		Car Outside (AxB)	Туре				X×Y					R3	R4		R7	
	60									67.6	40.2	5.5	135	113	42	3	
	90					430	430	1960×2500	1960×2500	70.4	42.1	5.5	145	123	50	5	
1050	105	1100×2100	1150×2285	2P-CO	900					70.4	42.1	3.3	143	123	30	J	
1050	120	1100^2100		2P-CO	900	470	430	2000×2500	2000×2500	77	48	6	165	145	60	7	
	150						470	430	2000^2300	2000^2300	78	55	7	195	165	65	7
	180					470	430	2000×2500	2000×2500	127	84	9	220	190	78	13	
	60									67.6	40.2	5.5	135	113	42	3	
	90					520	430	2050×2300	2050×2300	70.4	42.1	5.5	145	123	50	5	
1050	105	1300×1900	1350×2085	2D CO	900					70.4	42.1	5.5	143	123	30	3	
1050	120	1300^1900	1350^2065	27-00	900	570	420	2400×2200	2100×2300	77	48	6	165	145	60	7	
	150					5/0	570 430	2100×2300	2100^2300	78	55	7	195	165	65	7	
	180			570	430	2100×2300	2100×2300	127	84	9	220	190	78	13			

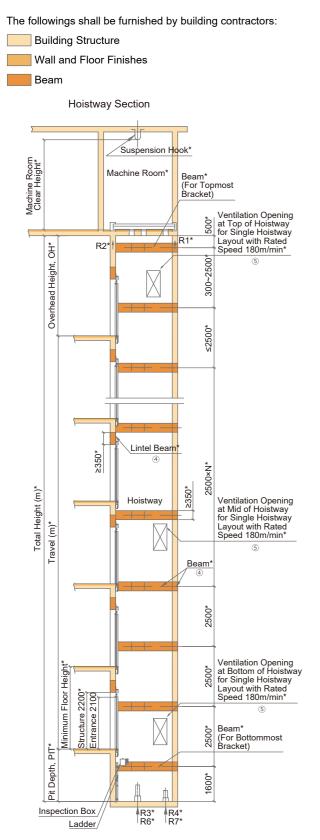
- ① The above information are based on GB7588-2003 standards.
- 2 The above information and configuration are based on left side counterweight layout.
- 3 Configuration is without counterweight safety gear.

Maximum Allowable Stretcher Size (Deep Car):

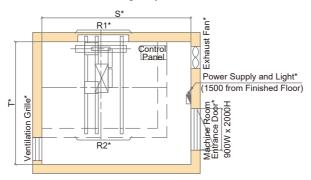


Car Inside Size (axb) (mm)	Maximum Stretcher Length L (mm)	Lift Landing Depth (mm)
1100×2100	2100	≥2100
1300×1900	1900	≥1900

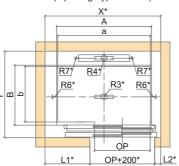
Hoistway and Machine Room



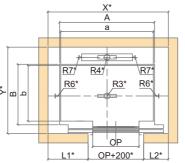
Machine Room Plan Rear Counterweight Layout



Hoistway Plan Rear Counterweight Layout (Opening Type: 2S-2P)



Hoistway Plan Rear Counterweight Layout (Opening Type: 2P-CO, Door Offset: 190mm)



Note:

- ① The above information are based on GB7588-2003 standards.
- 2 Items with "*" shall be furnished by building contractors.
- 3 Unit of dimension shall be in mm unless otherwise stated.
- ④ The hoistway construction shall be reinforced concrete ring beam with strength C25 or whole hoistway of reinforced concrete wall. If you have other situations, please contact us.
- ⑤ For hoistway and machine room details, please contact us.
- The suspension hooks capacity shall be as follows:

Rated Load (kg)	Rated Speed (m/min)	Machine Room Clear Height (mm)	Suspension Hook Capacity (Tons)
1050	60/90/105	2100	3
1000	120/150/180	2450	4

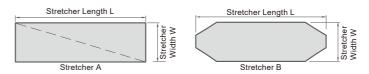
Wide Car

Rated Load	Rated Speed		Size m)	Door O (m	pening m)	Arranoemeni		Hoistway Size (mm)	Machine Room Size (mm)	Machine Room Reaction Force (KN)						
(kg)	(m/min)		Car Outside (AxB)	Туре				X×Y	S×T	R1					R7	
	60									66	40	135	113	42	3	
	90					980	120	2500×1825	2500×1850	69.5	42	145	123	50	5	
1050	105	2000×1200	2050×1398	2S-2P	1200					09.5	42	143	123	30		
	120	2000*1200		20-21		970	970 130	2500×1845	2500×1870	76	50	165	150	60	7	
	150							2500 ^ 1645	2500 ~ 1670	89	60	180	175	66	7	
	180							2500×1945	2500×1945	122	89	220	190	78	13	
	60									66	40	135	113	42	3	
	90									69.5	42	145	123	50	5	
1050	105	2000~1200	2050~1205	2P-CO	1000	800	500	2500×1800	2500×1800	09.5	42	143	123	30	3	
1030	120	2000×1200 2050×1385	2000 1000	(Door	1000	800	300	2500^1600	2500 ^ 1600	76	50	165	150	60	7	
	150			Offset)						89	60	180	175	66	7	
	180							2500×1900	2500×1900	122	89	220	190	78	13	

Note:

- ① The above information are based on GB7588-2003 standards.
- 2 The above information and configuration are based on rear counterweight layout.
- 3 Configuration is without counterweight safety gear.

Maximum Allowable Stretcher Size (Wide Car):



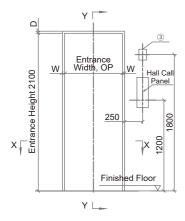
Car Inside Size (axb) (mm)	Opening Width,OP (mm)	Maximum Stretcher Size (LxW) (mm)	Lift Landing Depth (mm)
2000×1200	1200	1900×550 Stretcher A	≥1500
2000×1200	1000	1900×550 Stretcher B	≥1500

Entrance Design

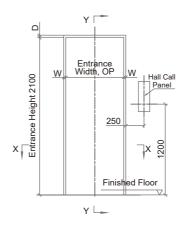
The followings shall be furnished by building contractors:

Wall and Floor Finishes

Elevation of Entrance

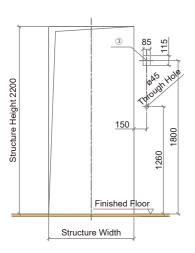


For Entrance With Fireman Switch

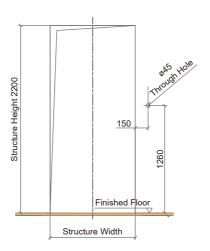


For Entrance Without Fireman Switch

Structure Opening of Entrance



For Entrance With Fireman Switch



For Entrance Without Fireman Switch

Туре	AS-1X	SS-1X
W	10	25
D	10	25

Note:

- ① The above information are based on GB7588-2003 standards.
- ② Unit of dimension shall be in mm unless otherwise stated.
- 3 Applicable only when fireman operation with switch is located at lift landing.
- Structure opening of entrance shall be furnished by building contractor.

Entrance Design

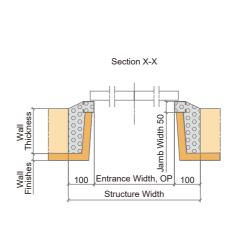
The followings shall be furnished by building contractors:

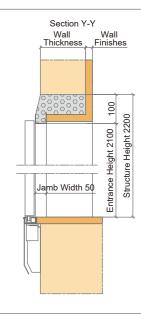
Building Structure

Wall and Floor Finishes

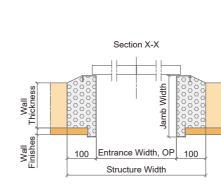
Grouting Work

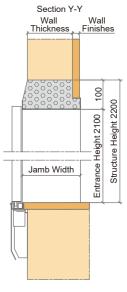
Narrow Jamb (AS-1X)





Wide Jamb (SS-1X)





Note:

① Unit of dimension shall be in mm unless otherwise stated.

Electrical Data

No.	Rated Load	Rated Speed	Supply Voltage		Breaker city (A)		former ty (KVA)		Power ze (mm²)		/ire Size m²)
140.	(kg)		Cuppiy Voltage				2 units		2 units	1 unit	2 units
		60		25	40	8	13	6	8	6	8
1	450	90]	32	50	9	15	6	10	6	10
		105]	32	50	10	16	8	10	8	10
		60		25	40	9	14	6	8	6	8
2	630	90		32	50	10	17	8	10	8	10
		105		40	63	11	19	8	16	8	16
		60		32	50	10	16	6	10	6	10
		90		40	63	12	20	8	16	8	16
3	825	105		40	63	13	22	8	16	8	16
3	625	120		50	80	14	24	10	25	10	16
		150		50	80	16	27	16	30	16	16
		180		63	100	19	32	25	30	16	16
		60		32	50	10	17	6	10	6	10
		90		40	63	12	21	8	16	8	16
4	900	105		40	80	14	23	10	25	10	16
7	300	120	3Ф380V 1Ф220V	50	80	15	25	10	25	10	16
		150		63	100	17	29	16	30	16	16
		180		63	100	20	34	25	30	16	16
		60	50Hz	32	63	11	18	6	10	6	10
		90		40	80	14	23	8	16	8	16
5	1050	105		50	80	15	25	10	25	10	16
J	1000	120		50	80	17	28	16	25	16	16
		150		63	100	20	34	25	30	16	16
		180		80	125	22	38	25	35	16	16
		60		40	63	11	19	8	10	8	10
		90		50	80	14	24	10	25	10	16
6	1150	105		50	80	16	27	10	25	10	16
		120		63	100	18	30	16	25	16	16
		150		63	100	21	35	25	30	16	16
		180		80	125	23	38	25	35	16	16
		60	_	40	63	12	20	8	16	8	16
		90	_	50	80	16	27	10	25	10	16
7	1350	105		63	100	18	30	16	25	16	16
•		120		63	100	20	33	16	30	16	16
		150		80	125	23	39	25	30	16	16
		180		80	125	26	43	25	35	16	16

No.	Rated Load (kg)	Rated Speed (m/min)	Supply Voltage	Circuit Breaker Capacity (A)		Transformer Capacity (KVA)		Main Power Wire Size (mm²)		Earth Wire Size (mm²)	
					2 units	1 unit	2 units		2 units		2 units
8	1600	60	3Ф380V 1Ф220V 50Hz	40	80	14	23	8	16	8	16
		90		63	100	18	30	16	25	16	16
		105		63	100	20	34	16	30	16	16
		120		80	125	22	38	16	30	16	16
		150		80	160	27	45	25	35	16	16
		180		80	160	30	50	25	50	16	25
9	1800	60		80	80	15	24	16	25	16	16
		90		80	100	19	32	25	35	16	16
		105		80	125	22	36	30	50	16	25
		120		80	125	24	40	30	50	16	25
		150		125	160	29	49	35	80	16	40
10	2000	60		80	80	16	26	16	30	16	16
		90		80	100	21	35	25	35	16	16
		105		80	125	23	40	30	50	16	25
		120		80	160	26	44	30	50	16	25
		150		125	160	31	53	35	80	16	40

① The above information are based on GB7588-2003 standards.
② The above information on the Supply Voltage, Circuit Breaker Capacity(A), Transformer Capacity(KVA), Main Power Wire Size (mm²) and Earth Wire Size (mm²) are the requirements at building side.

③ The main power wire size specified above is applicable for wire length less than 150m.

For main power wire length more than 150m, please calculate using the following formula:

Main power wire size (mm²) = [Actual wire length/150] x [Wire size in above table].

④ The calorific value (kcal/hr) for one elevator is calculated using the following formula:

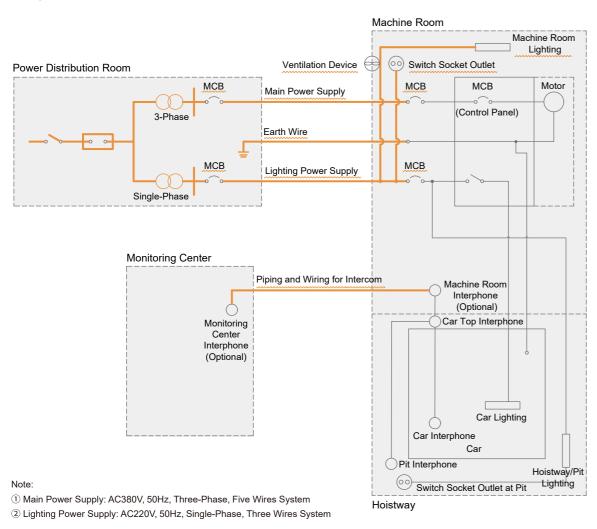
Calorific Value (kcal/hr) = Rated Load (kg) x Rated Speed (m/min) x [1/45].

Electrical Information

The following shall be furnished by building contractors:

---- Electrical Equipment

- Cable



Item	Works to be provided by building contractor					
Main Power Supply	To provide power supply switch around the entrance of machine room. To install facilities to ensure the power supply voltage fluctuation shall be within ±7%.					
Lighting Power Supply	To provide lighting power supply for car lighting, fan and indicator.					
Ventilation Device	To provide mechanical ventilation to the machine room to ensure that the temperature in the machine room is maintained at below 40°C.					
Machine Room Lighting and Switch Socket Outlet	To provide single phase AC220V, 10A switch socket outlet and machine room lighting with switch around the entrance of machine room for maintenance purposes.					

Civil Works Matters

Working environment of the elevator shall be as follow:

- 1. Machine room ambient temperature shall be between 5°C to 40°C.
- 2. Maximum relative humidity is 90%, and the monthly mean minimum temperature should be below 25°C.
- 3. Supply voltage fluctuation shall be within ±7%.
- 4. Surrounding environment shall be free from explosive and corrosive hazard, anti-insulation and conductive particles atmosphere.

About hoistway and machine room:

- 1. Hoistway and machine room shall not be used for purposes other than those connected with the elevators.
- 2. Hoistway walls (including reinforced concrete ring beams) should be vertical, and the allowable deviation for the hoistway verticality is 0~+30mm.
- 3. Hoistway and machine room walls, floors and roofs should be able to absorb a large amount of elevator operation noise.
- 4. Hoistway and machine room should not be located directly adjacent to bedrooms, classrooms, wards, library or any other places where low noise is required. Where such arrangements need to be imposed, the building contractors must be responsible for taking measures of sound insulation and cushioning.
- 5. Hoistway walls shall be 200mm concrete walls.
- 6. If elevator hoistway is steel structure construction, please contact us.
- 7. Elevator hoistway is preferably not located in the space above accessible area. If the actual situation cannot meet the regulations, please contact us.

Work to be done by Building Contractors:

The preparatory work for elevator installation outlined below should be undertaken by building contractors in accordance with Hitachi drawing and applicable national or local codes and regulation.

- 1. Prepare hoistway with proper framing and enclosure, suitable pit of proper depth with drains and waterproofing if required, properly lighted and ventilated machine room of adequate size with concrete floor, access door, ladder and guards as required.
- 2. Provide and/or cut all necessary holes, chases, and openings and finish after equipment installation.
- 3. Supply and secure all supports, reinforced concrete slabs, etc., necessary for installation of the machinery, doors, buffers, etc.
- 4. Furnish all necessary cement and/or concrete for grouting-in of brackets, bolts, machine beams etc.
- 5. Suspension hook in the machine room with required loading as shown in this catalogue.
- 6. Furnish main for three-phase electric power and single-phase lighting supply to machine room, following the instructions of the elevator contractors on outlet position and wire size.
- 7. Supply electric power for lighting of work area, installation work, elevator testing and spray painting.
- 8. Provide, free of charge, a suitable theft-proof storage area for materials and tools during erection work.
- 9. Prepare and erect suitable scaffolding and protective measures for the works in progress.