



TOSHIBA

Toshiba High Speed Elevators

New ELBRIGHT

For SNI standard

3rd Edition

For SNI standard

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Safety Cautions

- Observance of relevant laws / regulations are required.
- Read the entire "Instruction Manual" carefully before use, for important information about safety, handling and operation.

TOSHIBA

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Please enter the contents from the "Inquiry Input Form" in website.
<https://www.toshiba-elevator.co.jp/elv/infoeng/>

· The data given in this catalog are subject to change without notice.

TOSHIBA ELEVATOR AND BUILDING SYSTEMS CORPORATION

THE SOLUTIONS

COMPANY SOLUTIONS

Toshiba Elevator and Building Systems Corporation has built a framework which encompasses all aspects from system development to production, sales to marketing, installation, adjustment, maintenance and services in order to provide clients with the highest quality products and services.

Utilizing the comprehensive technological infrastructure developed by Toshiba Group in more than 145 years since its foundation, we aim to enhance the leading edge technology and quality that we used to develop the ultra high speed elevator, harnessing Toshiba's technological innovations to their fullest extent. To meet clients' expectations and requirements for safe and pleasant elevators as well as constantly pursuing further innovation and improvement. Furthermore, we are aiming to strengthen system development, production, enhancing sales channel and sales partnership to expand in the global market.

New ELBRIGHT

TOSHIBA HIGH SPEED ELEVATORS

A new concept in high-speed elevators.

Toshiba never stops introducing the latest technologies and refining its high-speed elevator expertise.

Toshiba proves this again with the New ELBRIGHT : a new elevator for a new age. Toshiba engineering has combined to produce the world's first inverter drive controlled high-speed elevator, with the high-efficiency control, energy efficiency, and quiet operation today's society demands.

Product Line-up

Scope of specification	Range of application
Passenger	9 ~ 28 persons
Rated load	620 ~ 1900 kg
Rated speed	2.0 ~ 5.0 m/s

Note1: The above table complies with SNI standards.

Rated speed (m/s)	5.0								
	4.0								
3.5	New ELBRIGHT								
3.0									
2.5									
2.0									
Rated load (kg)	620	900	1100	1160	1300	1500	1700	1900	
Type	P9	P13	P15	P17	P19	P22	P25	P28	

The Solutions

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Functions

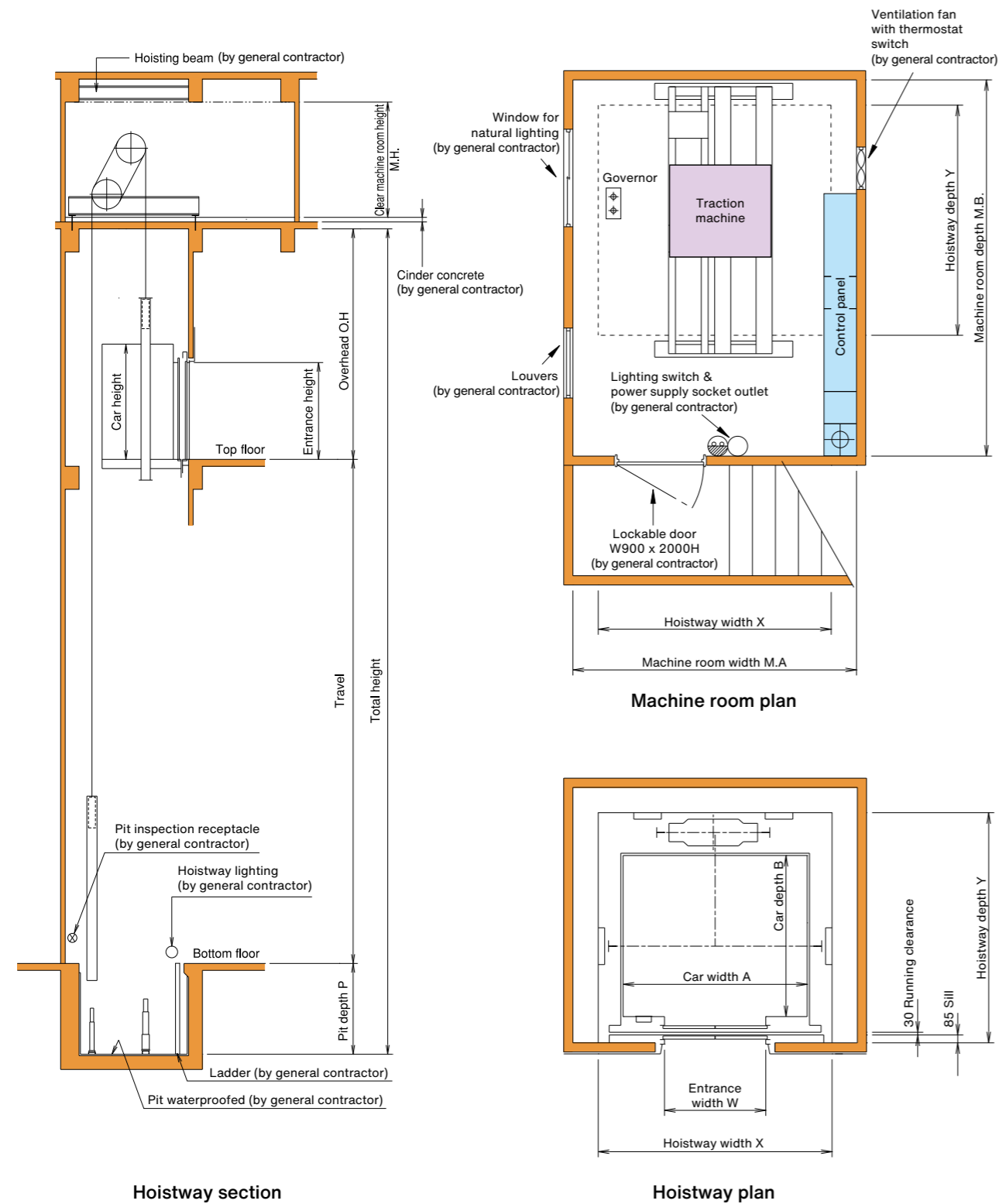
○ : STANDARD △ : OPTIONAL

Functions	Notes	Descriptions	
Operations	Simplex selective-collective fully automatic operation	Fully automatic operation by hall and car calls for single car	○
	Duplex selective collective fully automatic operation	Fully automatic operation for 2 cars in the same group	△
	Group supervisory control system	For supervisory operation of groups of more than 4 cars, please contact us	△
	FLOORNAVI	Destination Control System	△
	Independent operation	Lift car separated from group control operation and responde to car call only	△
	Attendant operation	Operation by attendant by switch & button provided at service cabinet in COP	△
Safety Functions	Automatic landing function when system fails	When system failure occurs, the lift will automatically land at the nearest floor and the door will open for passengers to exit	○
	Automatic withdrawn from group operation	If an elevator under a group supervisory operation fails to run for some reason, the elevator is cut out of the group and the other elevators automatically back up the faulty one to continue the group supervisory operation	○
	Car inspection operation [INS]	During car inspection operation, the lift car will run at slowly speed without responding to hall call	○
	Overload protection	The car overload buzzer will sound to prevent overloading and the doors will remain open	○
	Fireman's operation	In the event of fire, when the Fireman's switch is activated, the designated lift will be ready for firemen to use	△
	Fire emergency operation	In the event of fire, all lifts will return to the designated floor and stop operation to allow passengers to exit	△
	Emergency operation indication at COP	In the event of an emergency, the emergency operation status will be displayed at COP	○
	Power failure emergency operation	In the event of power failure, all lifts will return to the designated floor by emergency power supply from the building to allow passengers to exit	△
	Automatic landing during power failure [TOSLANDER]	In the event of power failure, the lift will land at the nearest floor by emergency battery	△
	Earthquake emergency operation	In the event of an earthquake, the elevator will detect the seismic signal and land at the nearest floor	△
	In-car emergency lamp (Self-charging)	In the event of power failure, the in-car emergency lamp will be activated	○
	Emergency call button	A button for passenger to make an emergency call when they are trapped inside the lift	○
	Door open when lift car is overloaded	The doors will re-open when over load is detected, even during the closing of doors	○
	2 in 1 door safety [Multi-beam door safety + Mechanical door safety]	A combination of multi-beam door safety and mechanical door safety	○
	Service Functions	Home landing	To reduce passenger waiting time, the lift will return to the designated floor and stand by
Service floor cut-off selection [Software interface]		This is of the free setting type, where the elevator superintendent for every building is free to set and modify service cut-off floors even after in use. This is the most appropriate type for such office buildings as their tenants are not yet fixed before completion.	△
Service floor cut-off selection [Manual]		Installing a switch or a timer on the supervisory panel, disables registration of car calls or hall calls for a basement floor's or an intermediate floors or intermediate floors thus engaging in non-stop(bypass) without servicing there.	△

○ : STANDARD △ : OPTIONAL

Functions	Notes	Descriptions	
Service Functions	Full car bypass	When the lift car is full, the lift will bypass all hall calls and go straight to the designated floor	△
	Car call cancellation	The floor call can be cancelled from the COP by pressing the floor button twice within 3 second	○
	Nuisance call cancellation	Incorrect or nuisance floor calls can be cancelled to eliminate unnecessary operation	○
	Door repeated opening	When an obstacle is detected, the door will repeatedly open and close until the obstacle is removed	○
	Car indicator	Car indicator with the car operating panel	○
	Adjustable door opening time	Adjusts the door opening time to reflect building usage	○
	Door open extension button	Extends the door opening time	△
	Car chime	A chime installed in the car ceiling will sound when the lift arrives	△
	Hall chime [1 car or 2 car]	A chime installed in the lift lobby will sound when the lift arrives	△
	Hall chime [Group control]	A chime installed in the lift lobby will sound when the lift arrives	○
	Car full load indicator	"Full Load" will display on the hall indicator when the lift car is full	○
	Hall lantern	The hall lantern will light up when the lift arrived	△
	Sub car operating panel [Single entrance (Front side retuen panel)]	Additional car operating panel	△
	Sub car operating panel [Double entrance (Rear side retuen panel)]	Additional car operating panel	○
	Out of service indicator	"Out of Service" will display on the hall indicator when the lift car is faulty	○
	Parking operation [Manual]	Parks the lift at designated floor by key-switch	△
	Parking operation [Automatic]	Parks the lift at designated floor autotomatically	△
	Car lighting automatic cut-off	When the lift is not in operation after a pre-determined period of time, the car light will turn off automatically	○
	Ventilation fan automatic cut-off	When the lift is not in operation after a pre-determined period of time, the ventilation fan will turn off automatically	○
	Door Open button lamp [For automatically cut-off car lighting]	The "Door Open" button will remain lit when the lift car light is turned off automatically	○
	Nuisance call cancellation at reversal	Cancel intentionally registered nuisance calls automatically in the reversal travel direction	○
	Multi-channel intercom	The intercom system can communicate with multi-stations simultaneously	○
	Designated floor stop operation	Automatically stops the lift at the designated floor for crime prevention purposes	△
	Card access system	Allows activation of the disnated floor call by IC card ※ Card Access System by others	△
	Speech synthesizer	Announces car operations	△
	Supervisory panel	Located in the building control room, etc. to monitor the status and control of each lift	△

Hoistway Layout



Specifications

Type	Nos. of Person	Capacity (kg)	Speed (m/s)	Cage size Internal (mm)		Door entrance (mm)		C/W	Hoistway size (mm)			Machine room dimensions (mm)		Max. Service Stops (s)	Max. Travel (m)
				A×B	Height	Width	Height		X×Y	OH	P	MA×MB	MH		
P8-CO120 W	9	620	2	1400×1100	2300	800	2100	Rear	1990×1860	5950	2450	2340×3350	2250		
P8-CO150 W			2.5							6150	2450				
P8-CO180 W			3							6450	2750				
P8-CO210 W			3.5							6850	3250				
P8-CO240 W			4							7450	3850				
P8-CO300 W	5	8400	4050	1990×1910	7450	3850	2340×3400								
P12-CO120 W	13	900	2	1600×1350	2300	900	2100	Rear	2150×2110	5950	2450	2540×3600	2250		
P12-CO150 W			2.5							6150	2450				
P12-CO180 W			3							6450	2750				
P12-CO210 W			3.5							6850	3250				
P12-CO240 W			4							7450	3850				
P12-CO300 W	5	8400	4050	2150×2160	7450	3850	2540×3650								
P13-CO120 W	15	1100	2	1600×1500	2300	900	2100	Rear	2150×2260	5350	2450	2540×3750	2250		
P13-CO150 W			2.5							5550	2450				
P13-CO180 W			3							5850	2750				
P13-CO210 W			3.5							6250	3250				
P13-CO240 W			4							6850	3850				
P13-CO300 W	5	7800	4050	2150×2310	7800	4050	2540×3800								
P15-CO120 W	17	1160	2	1800×1500	2300	1000	2100	Rear	2350×2260	5350	2450	2740×3750	2250		
P15-CO150 W			2.5							5550	2450				
P15-CO180 W			3							5850	2750				
P15-CO210 W			3.5							6250	3250				
P15-CO240 W			4							6850	3850				
P15-CO300 W	5	7800	4050	2350×2310	7800	4050	2740×3800								
P18-CO120 W	19	1300	2	2000×1500	2300	1000	2100	Rear	2550×2260	5350	2450	2940×3750	2250		
P18-CO150 W			2.5							5550	2450				
P18-CO180 W			3							5850	2750				
P18-CO210 W			3.5							6250	3250				
P18-CO240 W			4							6850	3850				
P18-CO300 W	5	7800	4050	2550×2310	7800	4050	2940×3800								
P21-CO120 W	22	1500	2	2000×1700	2300	1100	2100	Rear	2550×2460	5350	2450	2940×3950	2250		
P21-CO150 W			2.5							5550	2450				
P21-CO180 W			3							5850	2750				
P21-CO210 W			3.5							6250	3250				
P21-CO240 W			4							6850	3850				
P21-CO300 W	5	7800	4050	2550×2510	7800	4050	2940×4000								
P24-CO120 W	25	1700	2	2100×1750	2300	1200	2100	Rear	2750×2510	5350	2450	3040×4000	2250		
P24-CO150 W			2.5							5550	2450				
P24-CO180 W			3							5850	2750				
P24-CO210 W			3.5							6250	3250				
P24-CO240 W			4							6850	3850				
P24-CO300 W	5	7800	4050	2750×2560	7800	4050	3040×4050								
P27-CO120 W	28	1900	2	2100×1950	2300	1200	2100	Rear	2750×2710	5350	2450	3040×4200	2250		
P27-CO150 W			2.5							5550	2450				
P27-CO180 W			3							5850	2750				
P27-CO210 W			3.5							6250	3250				
P27-CO240 W			4							6850	3850				
P27-CO300 W	5	7800	4050	2750×2760	7800	4050	3040×4250								

W: Wide car

Note:

- The above table complies with SNI standards.
- Please contact to our local distributor to check for other standards.
- In case of travel is 40m or more, add 150mm to OH dimension and TC dimension at the above-stated dimension.
- Hoistway dimensions take into account the error of up to 50 mm after the construction work.
- The hoistway dimensions in chart are the minimum requirement.
- The hoistway structure wall must be 150mm thick or more.
- Piping, wiring and cables which is not relevant to elevator are prohibited inside the hoistway.
- OH value in the chart is for standard ceiling. As for the non-standard cars, please consult our local distributor.
- If the size of the hoistway is greater than the above sizes, OH will be larger. Please consult our local distributor.
- If the location of Power source panel, Control panel and Electric power supply are changed. Please consult our local distributor.

Global Network

- Head office / Manufacturing base
- Head office

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Together with our global partners, we connect with Asia and then the world, through our technology and our spirit.

This planet is our shared heritage. We must live together, grow together and delight in one another.

[For more information]

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