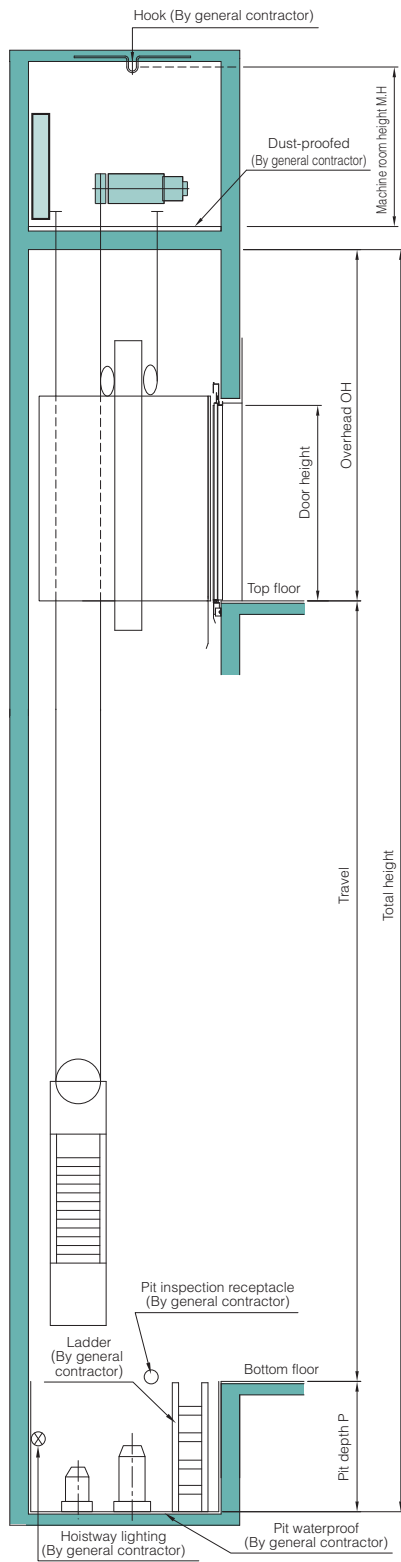


TOSHIBA

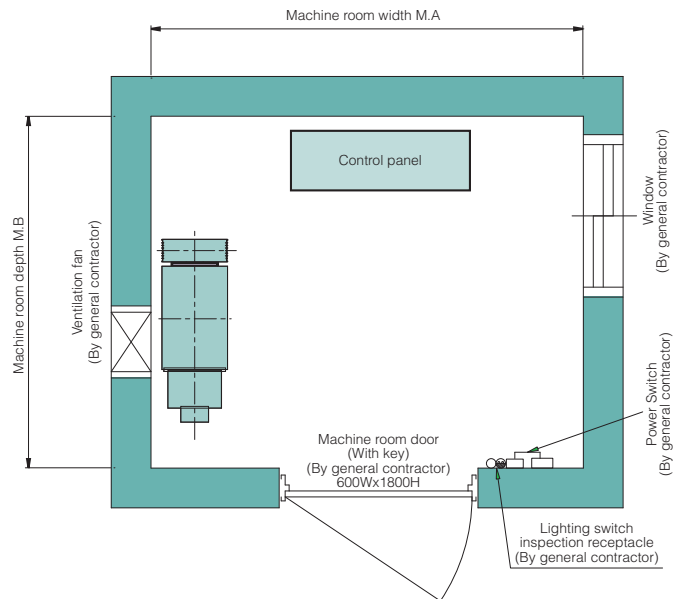
Leading Innovation >>>

ELCOSMO

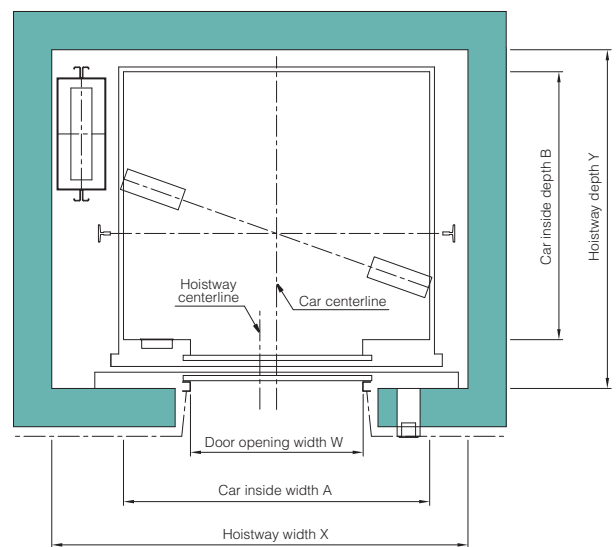
TOSHIBA COMPACT MACHINE ROOM ELEVATORS
Installation plan and power facility plan for **Singapore**



Hoistway section



Machine room plan



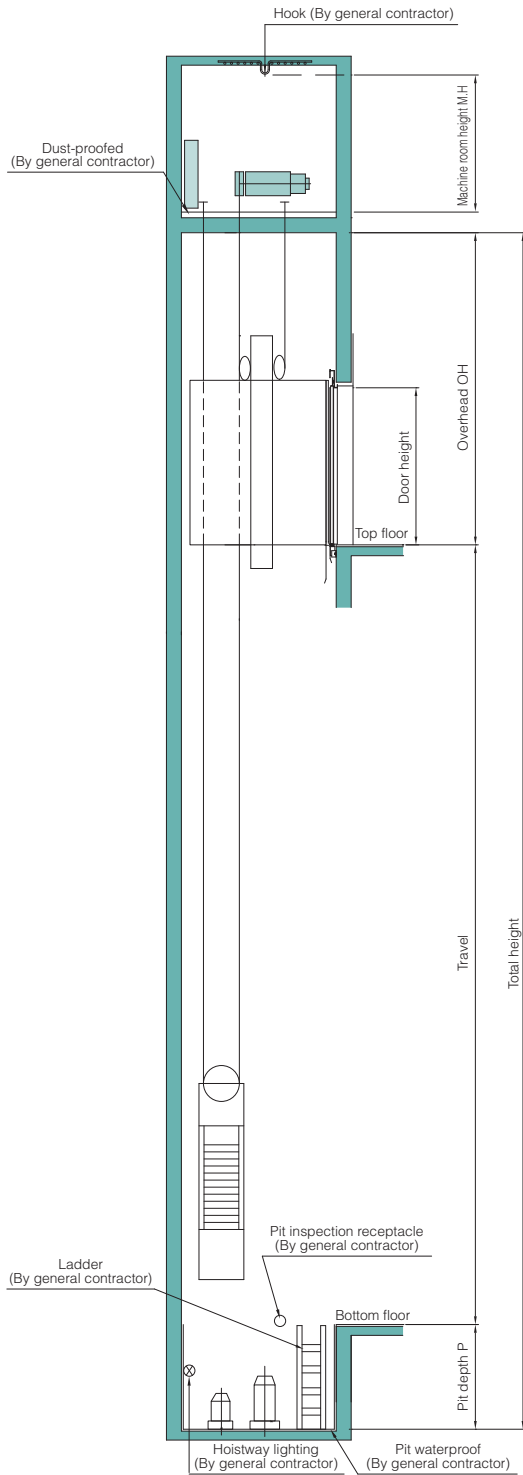
Hoistway plan

Specifications

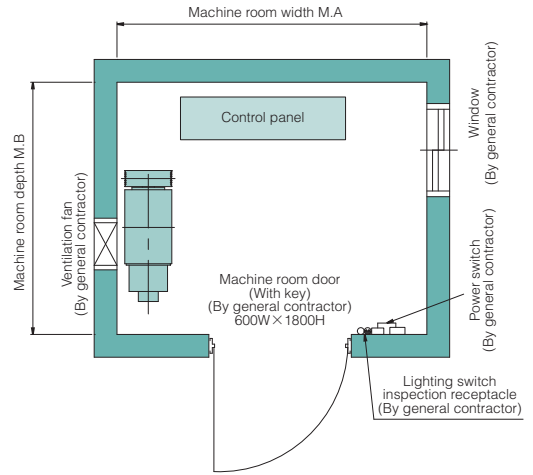
Type	Nos.of Person	Capacity (kg)	Speed (m/s)	Cage size (mm)		Door width W (mm)	Hoistway size (mm)			Machine room dimensions (mm)		Motor capacity (kw)	Max. service stops (s)	Max. travel (m)											
				Internal (A x B)			X x Y	OH	P	M.A x M.B	M.H														
P9-CO60	W	9	610	1	1100x1400	800	1820x1770	4050	1300	1820x1770	2000	3.6	24	60											
	W					900	2000x1770			2000x1770															
P9-CO96	W					1.6	800	1820x1770	4300	1400					1820x1770	1400	1820x1770								
	W						900	2000x1770							2000x1770										
P9-CO105	W					1.75	800	1820x1770	4300	1450					1820x1770	1450	1820x1770								
	W						900	2000x1770							2000x1770										
P9-CO120	W					2	800	1820x1770	4350	1650					1820x1770	1650	1820x1770								
	W						900	2000x1770							2000x1770										
P9-CO150	W					2.5	800	1820x1770	4350	2100					1820x1770	2100	1820x1770								
	W						900	2000x1770							2000x1770										
P11-CO60	W					11	750	1.6	1350x1400	800					1945x1770	4050	1300	1945x1770	2000	4.6	24	60			
	W									900					2050x1770			2050x1770							
P11-CO96	W									1.6					800	1945x1770	4300	1400					1945x1770	1400	1945x1770
	W														900	2050x1770							2050x1770		
P11-CO105	W	1.75	800	1945x1770	4300					1450	1945x1770	1450	1945x1770												
	W		900	2050x1770							2050x1770														
P11-CO120	W	2	800	1945x1770	4350					1650	1945x1770	1650	1945x1770												
	W		900	2050x1770							2050x1770														
P11-CO150	W	2.5	800	1945x1770	4350					2100	1945x1770	2100	1945x1770												
	W		900	2050x1770							2050x1770														
P11-CO60	D	11	750	1	1100x1700					800	1820x2070	4050	1300	1820x2070	2000	4.6	24	60							
	D									900	2000x2070			2000x2070											
P11-CO96	D									1.6	800	1820x2070	4300	1400									1820x2070	1400	1820x2070
	D										900	2000x2070											2000x2070		
P11-CO105	D					1.75	800	1820x2070	4300	1450	1820x2070	1450	1820x2070												
	D						900	2000x2070			2000x2070														
P11-CO120	D					2	800	1820x2070	4350	1650	1820x2070	1650	1820x2070												
	D						900	2000x2070			2000x2070														
P11-CO150	D					2.5	800	1820x2070	4350	2100	1820x2070	2100	1820x2070												
	D						900	2000x2070			2000x2070														
P13-CO60	W					13	900	1	1600x1400	900	2175x1770	4050	1300	2175x1770					2000	5.7	24	60			
	W									1000	2275x1770			2275x1770											
P13-CO96	W									1.6	900	2175x1770	4300	1400									2175x1770	1400	2175x1770
	W										1000	2275x1770											2275x1770		
P13-CO105	W	1.75	900	2175x1770	4300					1450	2175x1770	1450	2175x1770												
	W		1000	2275x1770							2275x1770														
P13-CO120	W	2	900	2175x1770	4350					1650	2175x1770	1650	2175x1770												
	W		1000	2275x1770							2275x1770														
P13-CO150	W	2.5	900	2175x1770	4350					2100	2175x1770	2100	2175x1770												
	W		1000	2275x1770							2275x1770														
P14-CO60	D	14	950	1	1100x2100					800	1820x2470	4050	1300	1820x2470	2000	5.7	24	60							
	D									900	2000x2470			2000x2470											
P14-CO96	D									1.6	800	1820x2470	4300	1400									1820x2470	1400	1820x2470
	D										900	2000x2470											2000x2470		
P14-CO105	D					1.75	800	1820x2470	4300	1450	1820x2470	1450	1820x2470												
	D						900	2000x2470			2000x2470														
P14-CO120	D					2	800	1820x2470	4350	1650	1820x2470	1650	1820x2470												
	D						900	2000x2470			2000x2470														
P14-CO150	D					2.5	800	1820x2470	4350	2100	1820x2470	2100	1820x2470												
	D						900	2000x2470			2000x2470														
P15-CO60	W					15	1000	1	1600x1550	900	2175x1920	4050	1300	2175x1920					2000	5.7	24	60			
	W									1000	2275x1920			2275x1920											
P15-CO96	W									1.6	900	2175x1920	4300	1400									2175x1920	1400	2175x1920
	W										1000	2275x1920											2275x1920		
P15-CO105	W	1.75	900	2175x1920	4300					1450	2175x1920	1450	2175x1920												
	W		1000	2275x1920							2275x1920														
P15-CO120	W	2	900	2175x1920	4350					1650	2175x1920	1650	2175x1920												
	W		1000	2275x1920							2275x1920														
P15-CO150	W	2.5	900	2175x1920	4350					2100	2175x1920	2100	2175x1920												
	W		1000	2275x1920							2275x1920														

Note:

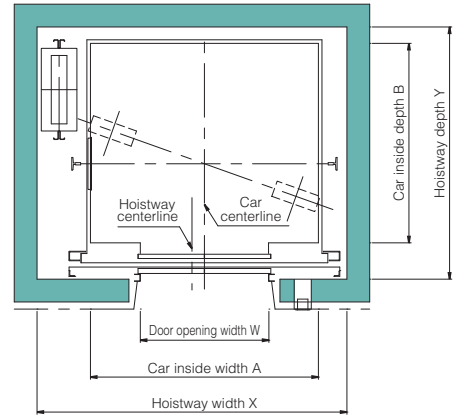
- Hoistway dimensions are the minimum dimension after the building work.
- Hoistway dimensions are the minimum requirement.
- The hoistway structure wall must be 150mm thick or more.
- Piping, wiring and cables not related to elevator are prohibited inside the hoistway.
- In case that more than one (simplex) elevator is required, please contact us.
- If the size of the hoistway is greater than above sizes, OH will be larger, please contact us.
- Example: P13W W: Wide car D: Deep car



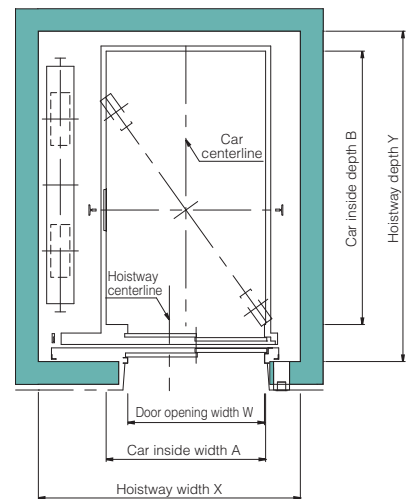
Hoistway section



Machine room plan



Center opening door hoistway plan (Type: P15W)



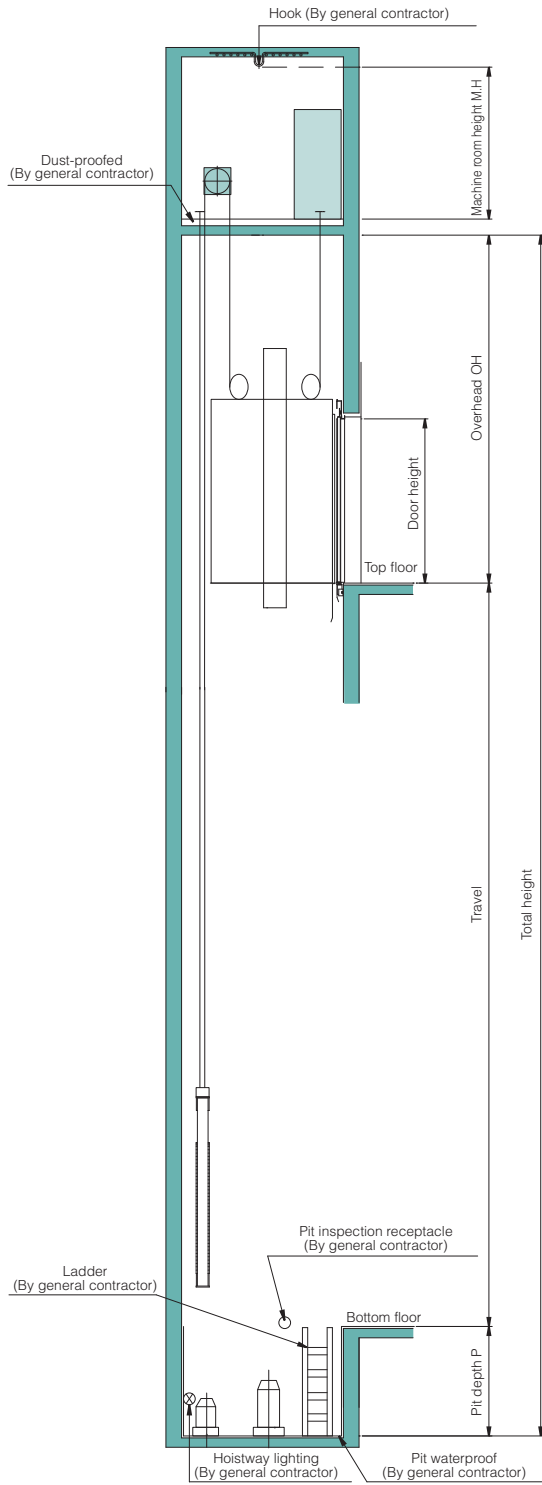
Two panel slide door Hoistway plan (Type: P17D, P21D)

Specifications

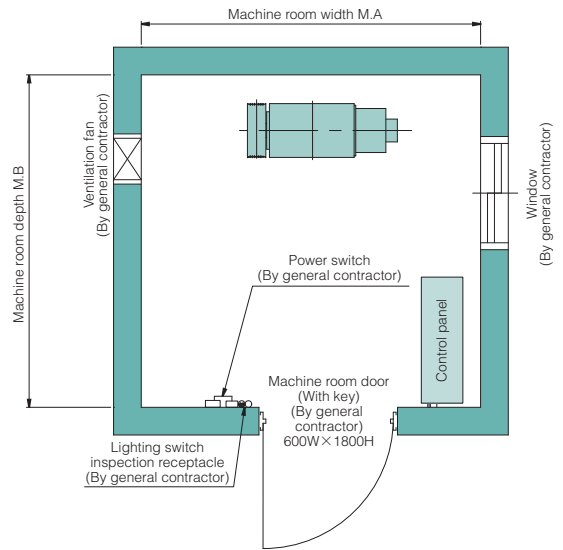
Type	Nos.of Person	Capacity (kg)	Speed (m/s)	Cage size (mm)	Door width W (mm)	Hoistway size (mm)			Machine room dimensions (mm)		Motor capacity (kw)	Max. service stops (s)	Max. travel (m)												
				Internal (A x B)		X x Y	OH	P	M.A x M.B	M.H															
P17-CO60	W	17	1150	1800x1500	1000	2500x1980	4050	1300	2500x1980	2000	7.3	24	60												
	W													2600x1980											
P17-CO96	W													1.6	1000	2500x1980	4300	1400	2500x1980						
	W																			2600x1980					
P17-CO105	W													1.75	1000	2500x1980	4300	1450	2500x1980						
	W																			2600x1980					
P17-CO120	W													2	1000	2500x1980	4350	1650	2500x1980						
	W																			2600x1980					
P17-CO150	W													2.5	1000	2500x1980	4700	2100	2500x1980						
	W																			2600x1980					
P19-2S60	D													19	1275	1200x2500	1100	2100x3050	4050	1300	2100x3050	2200	8.7	24	60
P19-2S96	D																								
P19-2S105	D	4300	1450																						
P19-2S120	D	4350	1650																						
P19-2S150	D	4700	2100																						
P24-2S60	D	24	1600	1400x2600	1200	2300x3150	4050	1300	2300x3150	2200	10.0	24	60												
P24-2S96	D													4300	1400										
P24-2S105	D													4300	1450										
P24-2S120	D													4350	1650										
P24-2S150	D													4700	2100										

Note:

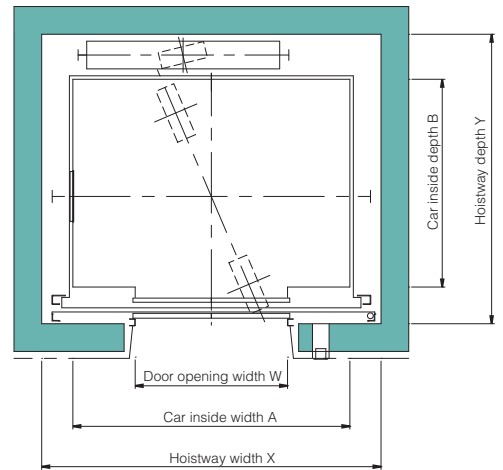
- Hoistway dimensions are the minimum dimension after the building work.
- Hoistway dimensions are the minimum requirement.
- The hoistway structure wall must be 150mm thick or more.
- Piping, wiring and cables not related to elevator are prohibited inside the hoistway.
- In case that more than one (simplex) elevator is required, please contact us.
- If the size of the hoistway is greater than above sizes, OH will be larger, please contact us.
- Example: P17W W: Wide car D: Deep car



Hoistway section



Machine room plan



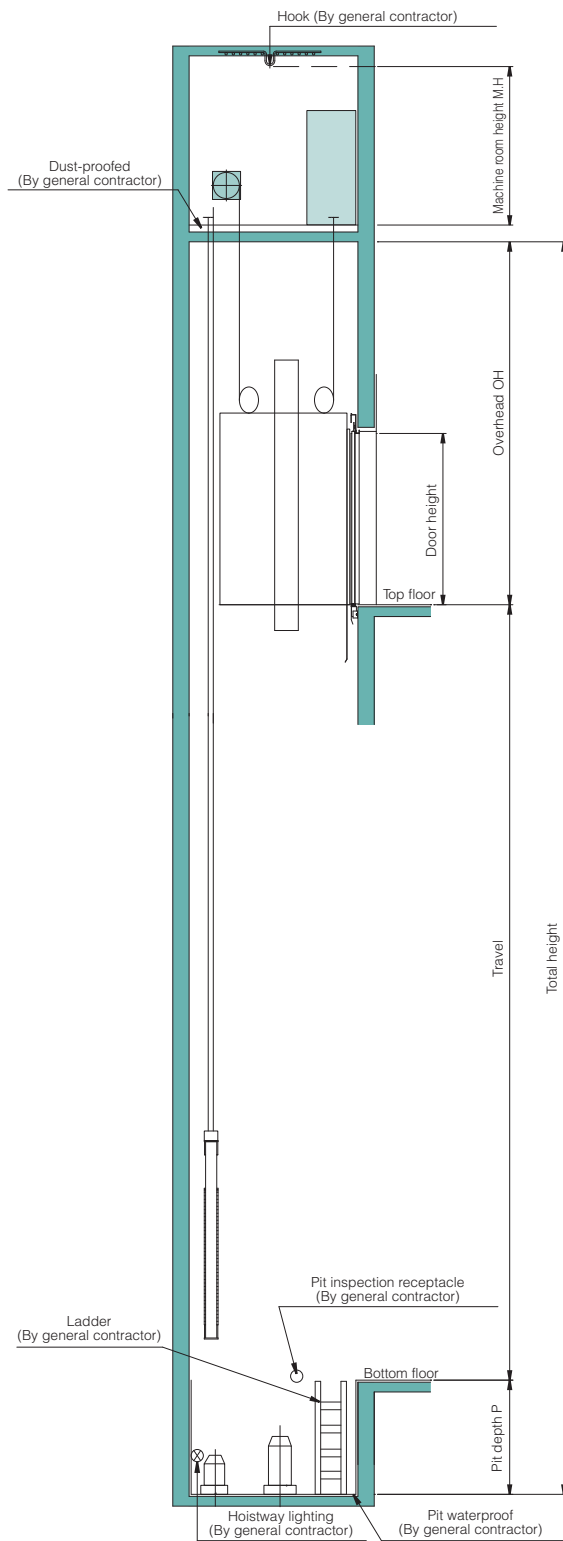
Hoistway plan

Specifications

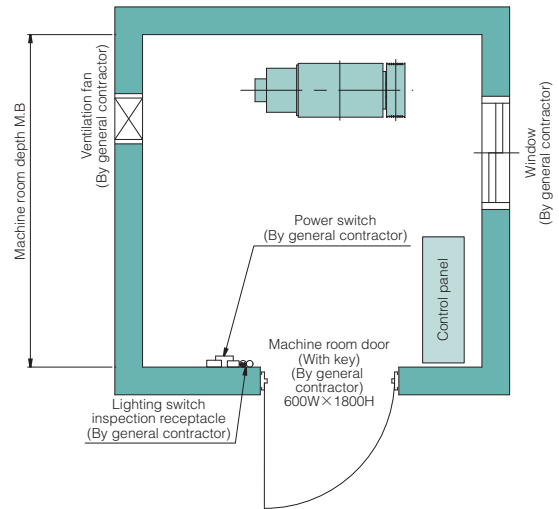
Type	Nos. of Person	Capacity (kg)	Speed (m/s)	Cage size (mm) Internal (A x B)	Door width W (mm)	Hoistway size (mm)			Machine room dimensions (mm)		Motor capacity (kw)	Max. service stops (s)	Max. travel (m)											
						X x Y	OH	P	M.A x M.B	M.H														
P9-CO60	W	9	610	1400x1100	800	1850x1680	4050	1300	1850x1680	2000	3.6	24	60											
	W					1950x1680			1950x1680															
P9-CO96	W				1.6	800	1850x1680	4300	1400					1850x1680	5.8	32	100							
	W						1950x1680							1950x1680										
P9-CO105	W				1.75	800	1850x1680	4300	1450					1850x1680	6.3	32	100							
	W						1950x1680							1950x1680										
P9-CO120	W				2	800	1950x1780	4350	1650					1950x1780	7.2	40	125							
	W						2050x1780							2050x1780										
P9-CO150	W				2.5	800	1950x1780	4350	2100					1950x1780	9.0	40	125							
	W						2050x1780							2050x1780										
P11-CO60	W				11	750	1400x1350	800	1850x2000					4050	1300	1850x2000	2000	4.6	24	60				
	W								1950x2000							1950x2000								
P11-CO96	W							1.6	800					1850x2000	4300	1400					1850x2000	7.3	32	100
	W													1950x2000							1950x2000			
P11-CO105	W	1.75	800	1850x2000				4300	1450	1850x2000	8.0	32	100											
	W			1950x2000						1950x2000														
P11-CO120	W	2	800	1950x2100				4350	1650	1950x2100	9.2	40	125											
	W			2050x2100						2050x2100														
P11-CO150	W	2.5	800	1950x2100				4350	2100	1950x2100	11.4	40	125											
	W			2050x2100						2050x2100														
P13-CO60	W	13	900	1600x1400				900	2100x2050	4050	1300	2100x2050	2000	5.7	24	60								
	W								2200x2050			2200x2050												
P13-CO96	W							1.6	900	2100x2050	4300	1400									2100x2050	9.2	32	100
	W									2200x2050											2200x2050			
P13-CO105	W							1.75	900	2100x2050	4300	1450									2100x2050	10.0	32	100
	W									2200x2050											2200x2050			
P13-CO120	W							2	900	2200x2150	4350	1650									2200x2150	11.4	40	125
	W									2300x2150											2300x2150			
P13-CO150	W				2.5	900	2200x2150	4350	2100	2200x2150	14.3	40					125							
	W						2300x2150			2300x2150														
P15-CO60	W				15	1000	1600x1550	900	2100x2200	4050	1300	2100x2200					2000	5.7	24	60				
	W								2200x2200			2200x2200												
P15-CO96	W	1.6	900	2100x2200				4300	1400	2100x2200	9.2	32	100											
	W			2200x2200						2200x2200														
P15-CO105	W	1.75	900	2100x2200				4300	1450	2100x2200	10.0	32	100											
	W			2200x2200						2200x2200														
P15-CO120	W	2	900	2200x2300				4350	1650	2200x2300	11.4	40	125											
	W			2300x2300						2300x2300														
P15-CO150	W	2.5	900	2200x2300				4350	2100	2200x2300	14.3	40	125											
	W			2300x2300						2300x2300														

Note:

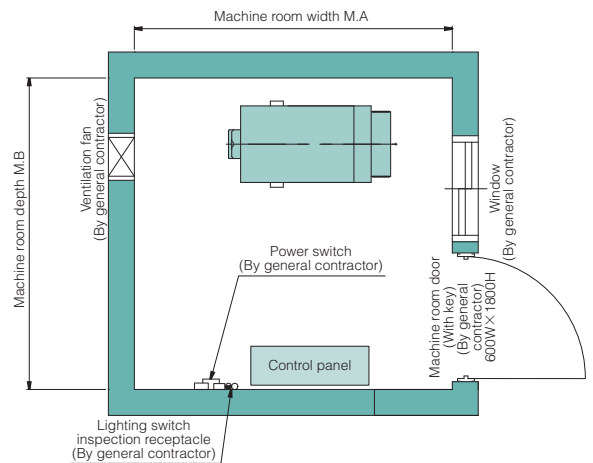
- Hoistway dimensions are the minimum dimension after the building work.
- Hoistway dimensions are the minimum requirement.
- The hoistway structure wall must be 150mm thick or more.
- Piping, wiring and cables not related to elevator are prohibited inside the hoistway.
- In case that more than one (simplex) elevator is required, please contact us.
- If the size of the hoistway is greater than above sizes, OH will be larger, please contact us.
- Example: P13W W: Wide car



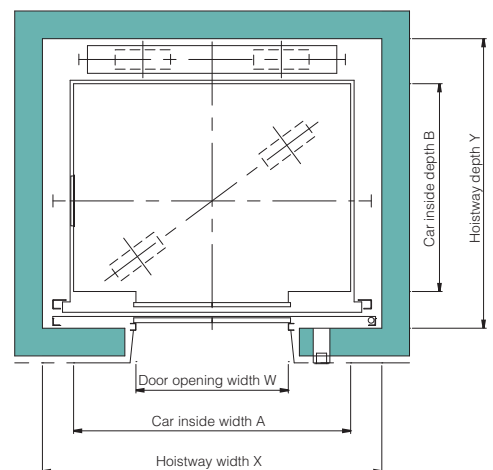
Hoistway section



Machine room plan(P15W)



Machine room plan(P17W~P24W)



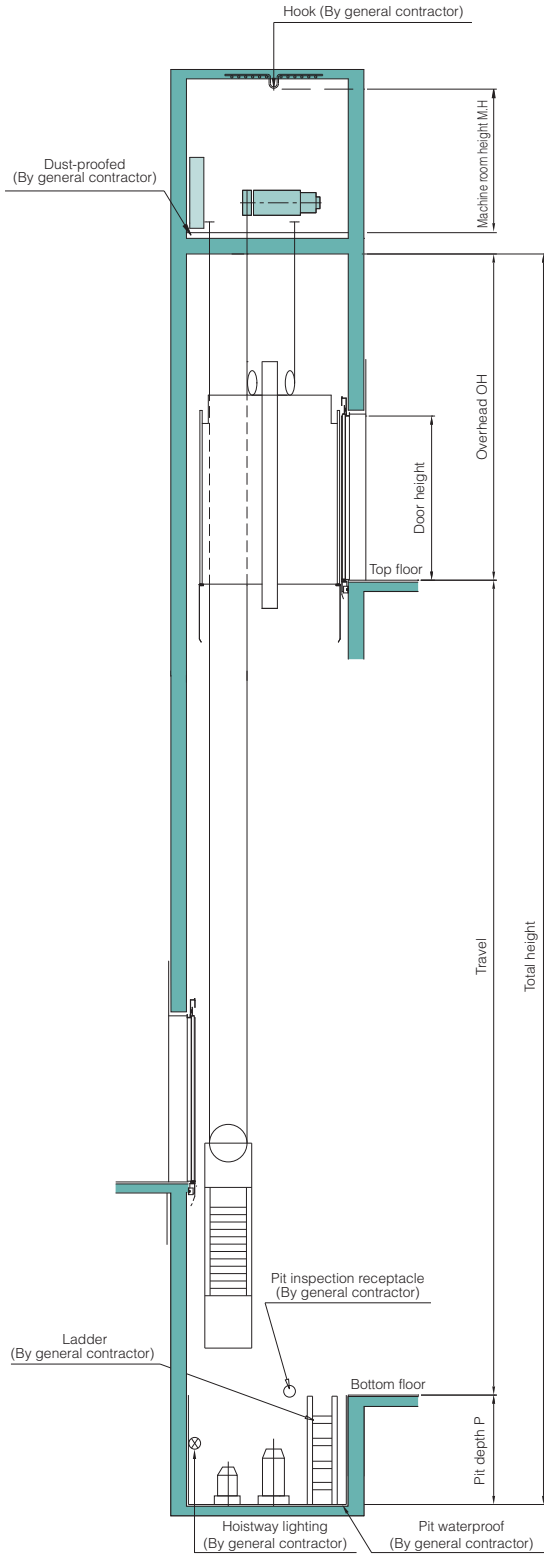
Hoistway plan

Specifications

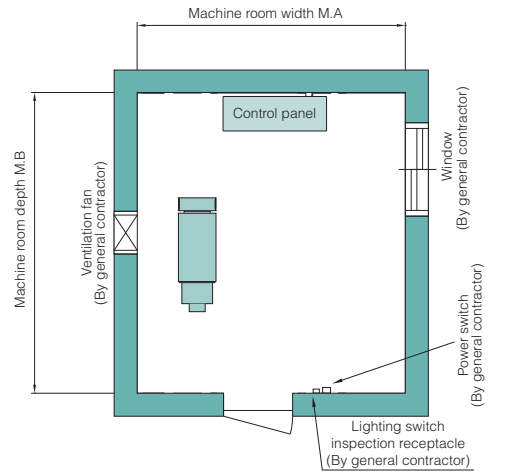
Type	Nos.of Person	Capacity (kg)	Speed (m/s)	Cage size (mm)	Door width W (mm)	Hoistway size (mm)			Machine room dimensions (mm)		Motor capacity (kw)	Max. service stops (s)	Max. travel (m)														
				Internal (A x B)		X x Y	OH	P	M.A x M.B	M.H																	
P17-CO60	W	17	1150	1800x1500	1000	2300x2190	4050	1300	2300x2190	2200	7.3	24	60														
	W													2450x2190													
P17-CO96	W						1.6	1000						2300x2190	4300	1400	2300x2190										
	W																	2450x2190									
P17-CO105	W						1.75	1000						2300x2190	4300	1450	2300x2190										
	W																	2450x2190									
P17-CO120	W						2	1000						2300x2190	4350	1650	2300x2190										
	W																	2450x2190									
P17-CO150	W						2.5	1000						2300x2190	4700	2100	2300x2190										
	W																	2450x2190									
P19-CO60	W						19	1275						2000x1500	1100	2550x2200	4050	1300	2550x2200	2200	8.7	24	60				
P19-CO96	W																							1.6	4300	1400	14.0
P19-CO105	W																1.75	4300						1450	16.0	32	100
P19-CO120	W																2	4350						1650	18.0	40	125
P19-CO150	W	2.5	4700	2100	20.0	40			125																		
P20-CO60	W	20	1350	2000x1550	1100	2550x2250			4050	1300	2550x2250	2200	8.7				24	60									
P20-CO96	W																							1.6	4300	1400	14.0
P20-CO105	W								1.75	4300														1450	16.0	32	100
P20-CO120	W								2	4350														1650	18.0	40	125
P20-CO150	W								2.5	4700														2100	20.0	40	125
P24-CO60	W						24	1600	2000x1800	1100				2550x2500	4050	1300			2550x2500	2200	10.0	24	60				
	W																							1200	2700x2500		
P24-CO96	W														1.6	1100								2550x2500	4300	1400	2550x2500
	W																										
P24-CO105	W														1.75	1100								2550x2500	4300	1450	2550x2500
	W	1200	2700x2500																								
P24-CO120	W	2	1100	2550x2500	4350	1650					2550x2500																
	W											1200	2700x2500														
P24-CO150	W	2.5	1100	2550x2500	4700	2100					2550x2500																
	W											1200	2700x2500														
P27-CO60	W	27	1800	2100x1800	1200	2700x2600					4050	1400	2700x2600		2200	12.0	24	60									
P27-CO96	W																							1.6	4300	1550	18.0
P27-CO105	W										1.75	4300												1650	20.0	32	100
P27-CO120	W										2	4350												1900	22.0	40	125

Note:

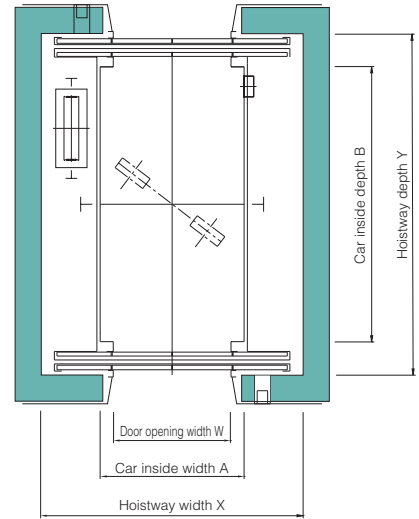
- Hoistway dimensions are the minimum dimension after the building work.
- Hoistway dimensions are the minimum requirement.
- The hoistway structure wall must be 150mm thick or more.
- Piping, wiring and cables not related to elevator are prohibited inside the hoistway.
- In case that more than one (simplex) elevator is required, please contact us.
- If the size of the hoistway is greater than above sizes, OH will be larger, please contact us.
- Example: P17W W: Wide car



Front and rear opening hoistway section



Front and rear opening hoistway plan (Type: P13D2)



Front and rear opening hoistway plan (Type: P21D2)

■ Specifications

Type	Nos.of Person	Capacity (kg)	Speed (m/s)	Cage size (mm)	Door width W (mm)	Hoistway size (mm)			Machine room dimensions (mm)		Motor capacity (kw)	Max. service stops (s)	Max. travel (m)
				Internal (A x B)		X x Y	OH	P	M.A x M.B	M.H			
P14-CO60	D2	14	950	1	1100×2100	800	1820×2610	4050	1300	1820×2610	2000	5.7	※1
P14-CO96	D2			1.6				4300	1400			9.2	
P14-CO105	D2			1.75				4300	1450			10.0	
P14-CO120	D2			2				4350	1650			11.4	
P14-CO150	D2			2.5				4350	2100			14.3	
P24-2S60	D2	24	1600	1	1400×2600	1200	2300×3270	4050	1300	2300×3270	2200	10.0	※1
P24-2S96	D2			1.6				4300	1400			16.0	
P24-2S105	D2			1.75				4300	1450			18.0	
P24-2S120	D2			2				4350	1650			20.0	
P24-2S-150	D2			2.5				4700	2100			24.0	

※1 Please contact us.

Note:

- Hoistway dimensions are the minimum dimension after the building work.
- Hoistway dimensions are the minimum requirement.
- The hoistway structure wall must be 150mm thick or more.
- Piping, wiring and cables not related to elevator are prohibited inside the hoistway.
- In case that more than one (simplex) elevator is required, please contact us.
- If the size of the hoistway is greater than above sizes, OH will be larger, please contact us.
- The front and rear opening floor are less than 8 floor
- Example: P13D2 D2: Front and rear opening door deep car



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