

ELCOSMO-III

TOSHIBA COMPACT MACHINE ROOM ELEVATORS

Installation design plan for *India*

2nd Edition



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.

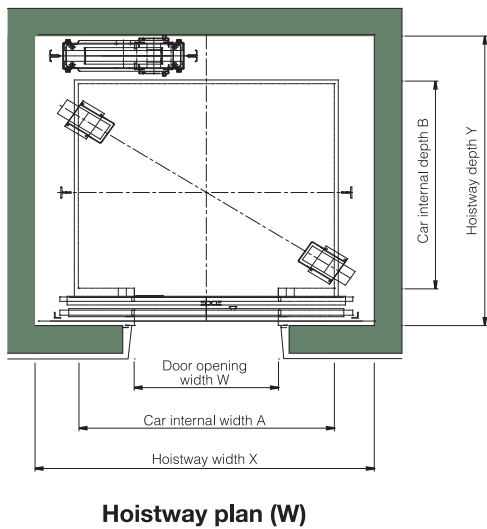
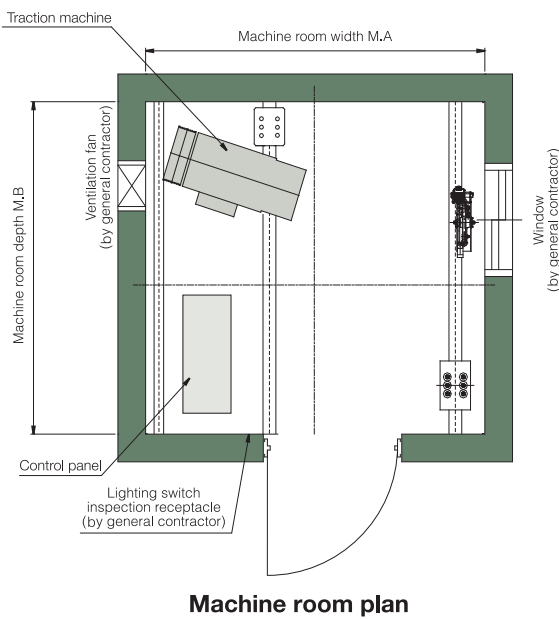
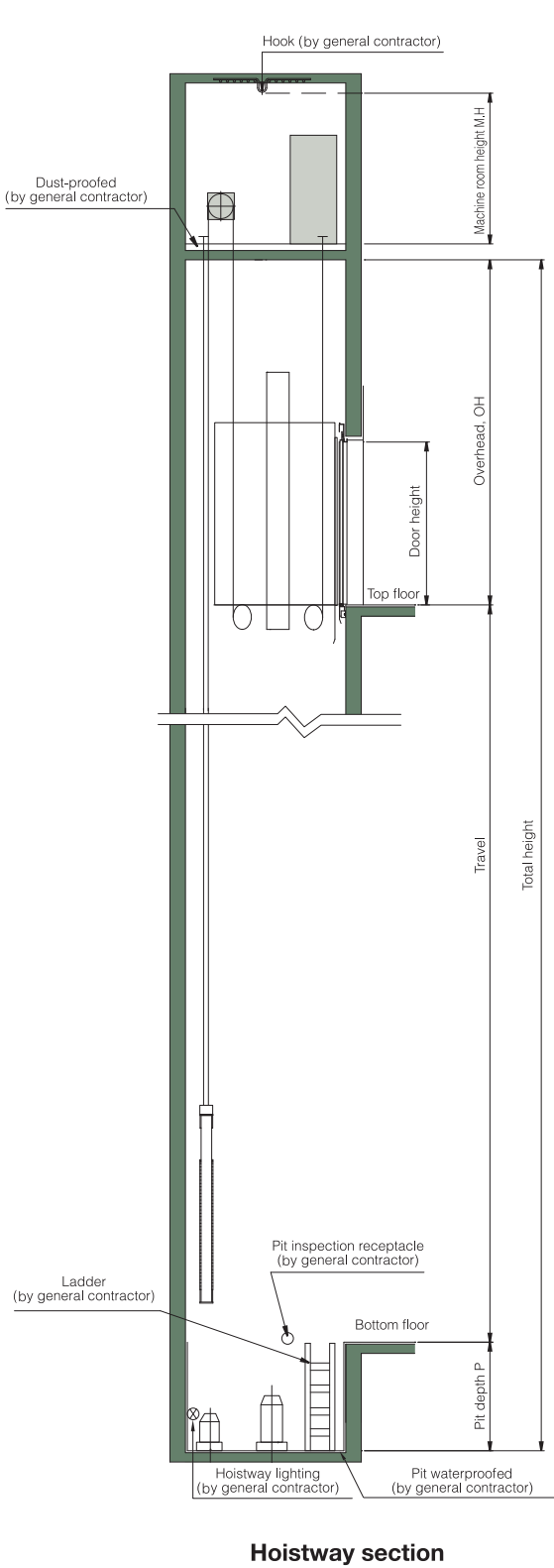
TOSHIBA

TOSHIBA ELEVATOR AND BUILDING SYSTEMS CORPORATION

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• The data given in this catalogue are subject to change without notice.

Hoistway Layout

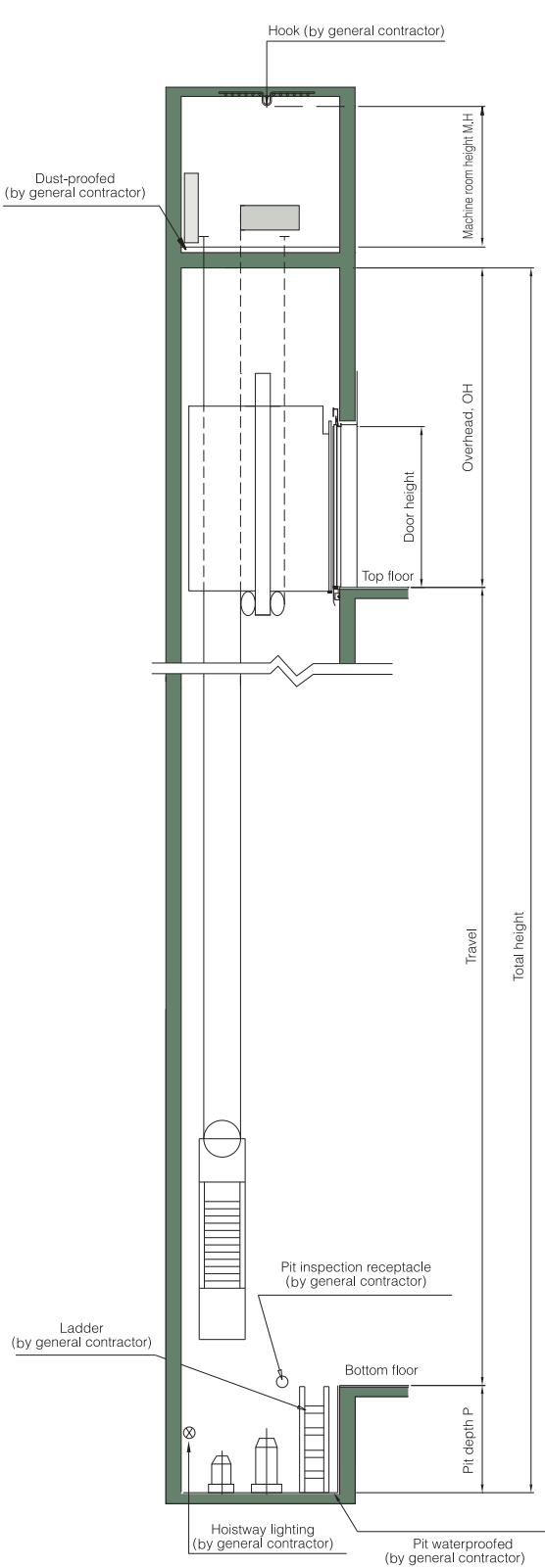


Specifications

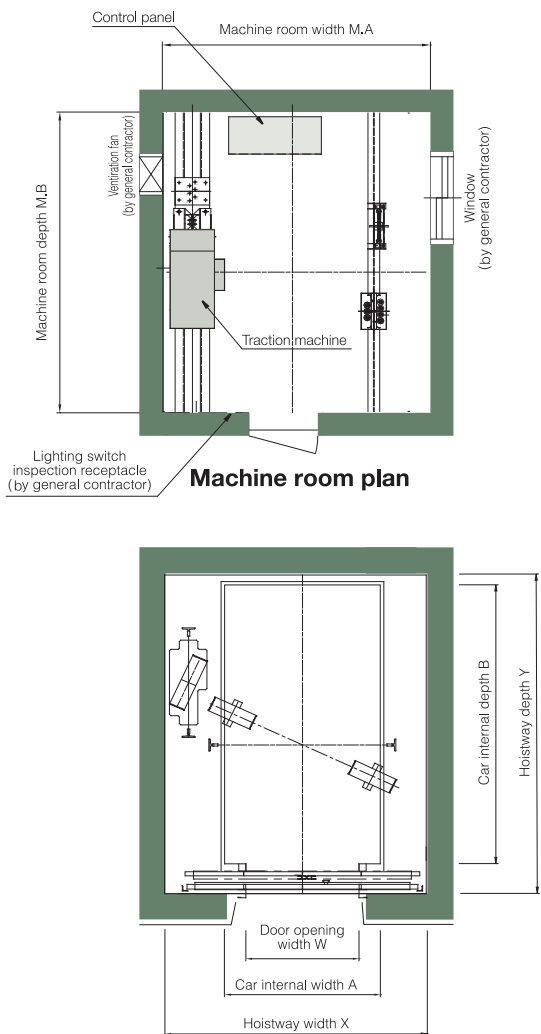
Type	Nos. of Person	Capacity (kg)	Speed (m/s)	Cage size Internal (AxB) (mm)	Door with W (mm)	Hoistway size (mm)			Machine room dimensoins (mm)		Motor Capacity (kW)	Max. Service Stops(s)	Max. Travel (m)
						X × Y	OH	P	M.A × M.B	M.H			
P9-CO60	W	9	1	1400×1100	800	1850×1660	4000	1300	1850×1660	2000	3.5	40	90
P9-CO96	W		1.6		900	2050×1660			2050×1660		5.6		100
P9-CO105	W		1.75		800	1850×1660	4250	1450	1850×1660		6.1		125
P9-CO120	W		2		900	2050×1660			2050×1660		7.0		125
P12-CO60	W	12	1	1400×1350	800	1850×1910	4000	1300	1850×1910	2000	4.7	40	90
P12-CO96	W		1.6		900	2050×1910			2050×1910		7.4		100
P12-CO105	W		1.75		800	1850×1910	4250	1450	1850×1910		8.1		125
P12-CO120	W		2		900	2050×1910			2050×1910		9.3		125
P12-CO150	W	14	2.5	1600×1400	800	1850×1910	4550	2100	1850×1910	2000	11.6	40	90
P14-CO60	W		1		900	2050×1910			2050×1910		13.6		100
P14-CO96	W		1.6		900	2100×1960	4000	1300	2100×1960		5.4		125
P14-CO105	W		1.75		1000	2300×1960			2300×1960		8.7		125
P14-CO120	W	14	2	1600×1400	1100	2500×1960	4200	1400	2500×1960	2000	9.5	40	90
P14-CO150	W		2.5		900	2100×1960			2100×1960		10.9		100
P14-CO96	W		1.6		1000	2300×1960	4250	1450	2300×1960		13.6		125
P14-CO105	W		1.75		1100	2500×1960			2500×1960		13.6		125
P14-CO120	W	14	2	1600×1400	900	2100×1960	4350	1650	2100×1960	2000	10.9	40	90
P14-CO150	W		2.5		1000	2300×1960			2300×1960		13.6		100
P14-CO96	W		1.6		1100	2500×1960	4550	2100	2500×1960		13.6		125
P14-CO105	W		1.75		900	2100×1960			2100×1960		13.6		125
P14-CO120	W	14	2	1600×1400	1000	2300×1960	4350	1650	2300×1960	2000	10.9	40	90
P14-CO150	W		2.5		1100	2500×1960			2500×1960		13.6		100
P14-CO96	W		1.6		900	2100×1960	4550	2100	2100×1960		13.6		125
P14-CO105	W		1.75		1000	2300×1960			2300×1960		13.6		125
P14-CO120	W	14	2	1600×1400	1100	2500×1960	4550	2100	2500×1960	2000	13.6	40	90
P14-CO150	W		2.5		900	2100×1960			2100×1960		13.6		100
P14-CO96	W		1.6		1000	2300×1960	4550	2100	2300×1960		13.6		125
P14-CO105	W		1.75		1100	2500×1960			2500×1960		13.6		125

- Note:**
- In case of travel is 40m or more, add 150mm to OH dimension and TC dimension at the above-stated dimension.
 - Please contact to our local distributor to check for other standard.
 - Hoistway dimensions are the minimum dimension 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.
- W: Wide car

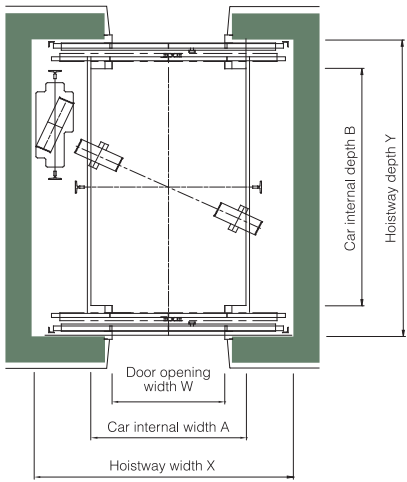
Hoistway Layout



Hoistway section



Hoistway plan (D)



Hoistway plan (D2)

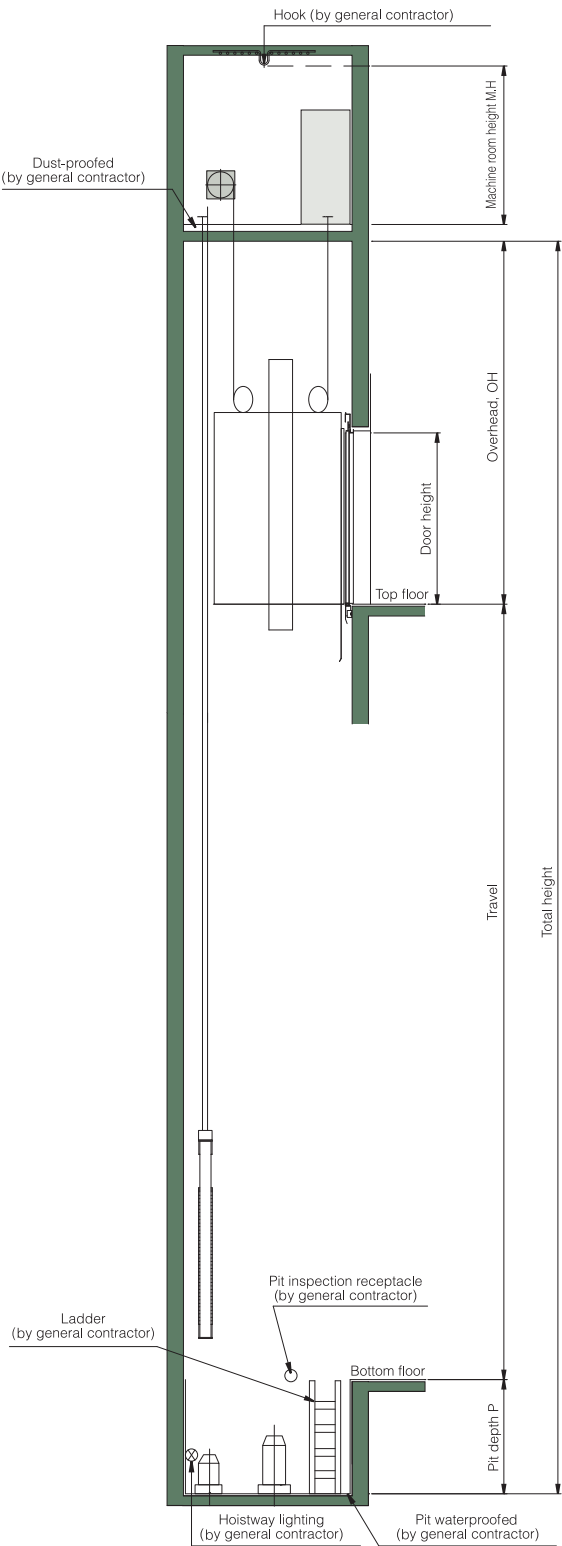
Specifications

Type	Nos. of Person	Capacity (kg)	Speed (m/s)	Cage size Internal (AxB) (mm)	Door with W (mm)	Hoistway size (mm)			Machine room dimensions (mm)		Motor Capacity (kW)	Max. Service Stops(s)	Max. Travel (m)			
						X × Y	OH	P	M.A × M.B	M.H						
P9-CO60	D	9	1	1100×1400	800	1835×1725	4000	1300	1835×1725	2000	3.5	40	90			
			900		2020×1725	2020×1725										
P9-CO96	D		1.6		800	1835×1725	4200	1400	1835×1725		5.6					
			900		2020×1725	2020×1725										
P9-CO105	D		1.75		800	1835×1725	4250	1450	1835×1725		6.1		100			
					900	2020×1725			2020×1725							
P9-CO120	D		2		800	1835×1725	4350	1650	1835×1725		7.0		125			
					900	2020×1725			2020×1725							
P12-CO60	D	12	1	1100×1700	800	1850×2000	4000	1300	1850×2000	2000	4.7	40	90			
					900	2020×2000			2020×2000							
	D2					800			1850×2150			1850×2150	80			
					900	2020×2150			2020×2150							
P12-CO96	D		1.6			800	1850×2000	4200	1400		1850×2000		40	100		
					900	2020×2000	2020×2000									
	D2					800	1850×2150				1850×2150	80				
					900	2020×2150	2020×2150									
P12-CO105	D		1.75				800	1850×2000	4250		1450	1850×2000	2000	8.1	40	125
						900	2020×2000	2020×2000								
	D2			800		1850×2150	1850×2150	80								
		900		2020×2150		2020×2150										
P12-CO120	D	2			800	1850×2000	4350	1650	1850×2000	2000	9.3	40	125			
				900	2020×2000	2020×2000										
	D2				800	1850×2150			1850×2150			80				
				900	2020×2150	2020×2150										
P12-CO150	D	2.5			800	1850×2000	4550	2100	1850×2000	2000	11.6	40	125			
				900	2020×2000	2020×2000										
	D2				800	1850×2150			1850×2150			80				
				900	2020×2150	2020×2150										
P14-CO60	D	14	1	1100×2100	800	1850×2400	4000	1300	1850×2400	2000	5.4	40	90			
					900	2020×2400			2020×2400							
	D2					800			1850×2550			1850×2550	80			
					900	2020×2550			2020×2550							
P14-CO96	D		1.6			800	1850×2400	4200	1400		1850×2400		40	100		
					900	2020×2400	2020×2400									
	D2					800	1850×2550				1850×2550	80				
					900	2020×2550	2020×2550									
P14-CO105	D		1.75				800	1850×2400	4250		1450	1850×2400		40	125	
						900	2020×2400	2020×2400								
	D2			800		1850×2550	1850×2550	80								
		900		2020×2550		2020×2550										
P14-CO120	D	2			800	1850×2400	4350	1650	1850×2400	2000	10.9	40	125			
				900	2020×2400	2020×2400										
	D2				800	1850×2550			1850×2550			80				
				900	2020×2550	2020×2550										
P14-CO150	D	2.5			800	1850×2400	4550	2100	1850×2400	2000	13.6	40	125			
				900	2020×2400	2020×2400										
	D2				800	1850×2550			1850×2550			80				
				900	2020×2550	2020×2550										

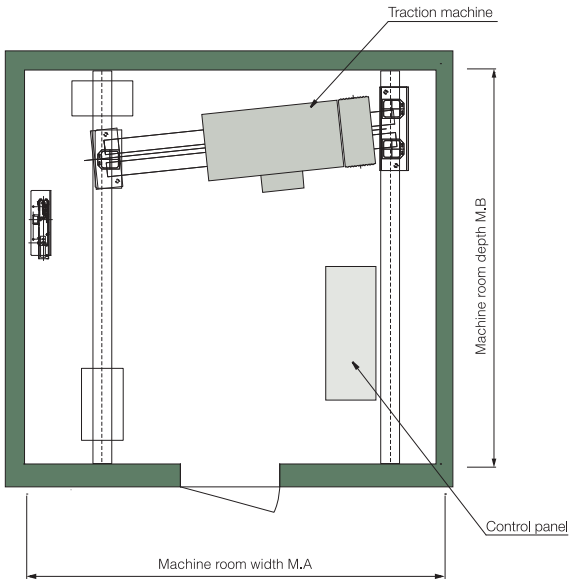
※ Please consult our local distributor

- Note:**
- In case of travel is 40m or more, add 150mm to OH dimension and TC dimension at the above-stated dimension.
 - Please contact to our local distributor to check for other standard.
 - Hoistway dimensions are the minimum dimension after the construction work.
 - The hoistway dimensions in chart are the minimum requirement.
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 - 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.
- D: Deep car D2: Front and rear opening door

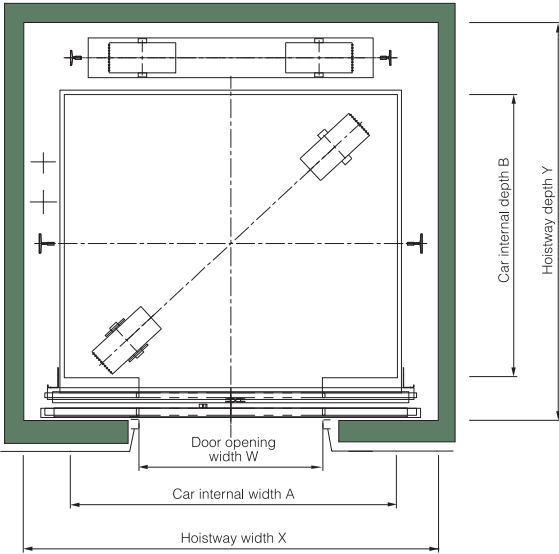
Hoistway Layout



Hoistway section



Machine room plan



Hoistway plan

Specifications

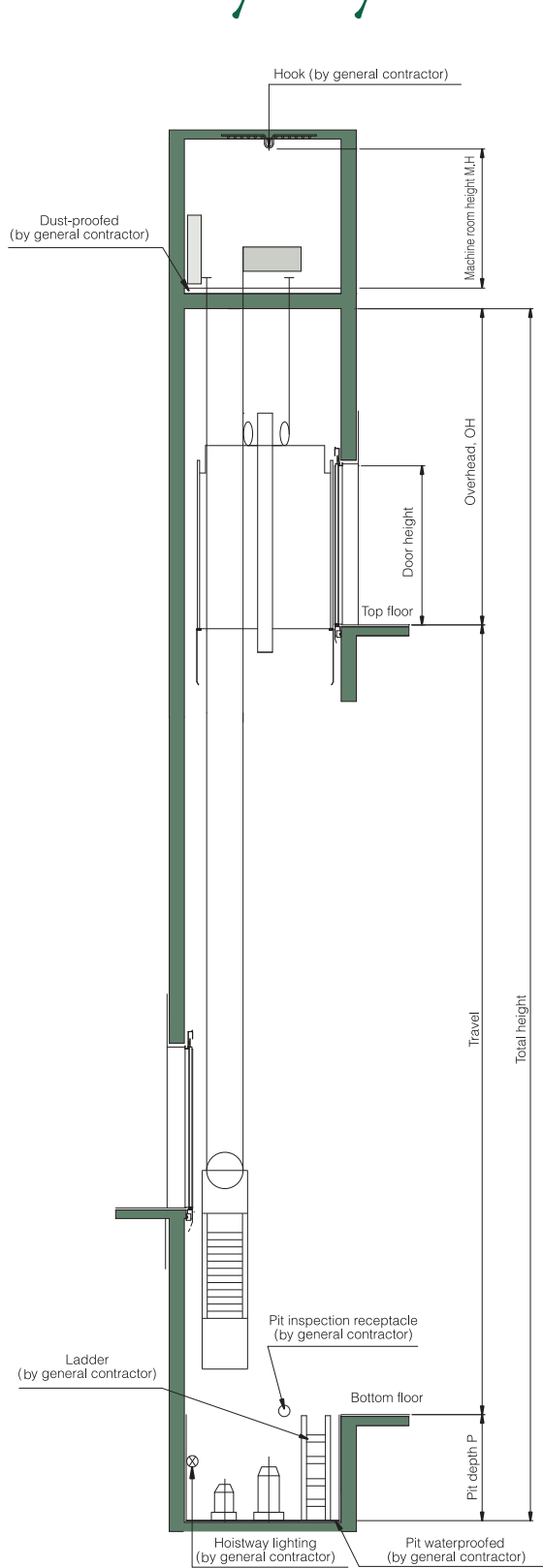
Type	Nos. of Person	Capacity (kg)	Speed (m/s)	Cage size Internal (AxB) (mm)	Door with W (mm)	Hoistway size (mm)			Machine room dimensoins (mm)		Motor Capacity (kW)	Max. Service Stops(s)	Max. Travel (m)				
						X × Y	OH	P	M.A × M.B	M.H							
P14-CO180	W	14	952	3	1600×1400	900	2050×2050	5250	2500	2050×2050	18.0	48	150				
	1000					2175×2050	2175×2050										
P16-CO60	W					1	1800×1500	1000	2250×2150	4200	1300			2250×2150	7.0	90	
	1100							2400×2150	2400×2150								
P16-CO96	W					1.6		1000	2250×2150	4350	1400			2250×2150	12.0	100	
	1100							2400×2150	2400×2150								
P16-CO105	W					1.75		1000	2250×2150	4400	1450			2250×2150	12.0		150
	1100							2400×2150	2400×2150								
P16-CO120	W					2		1000	2250×2150	4500	1600			2250×2150	14.0		
	1100							2400×2150	2400×2150								
P16-CO150	W					2.5		1000	2250×2150	4800	2000			2250×2150	18.0		
	1100	2400×2150	2400×2150														
P16-CO180	W	3	1000	2250×2150	5250	2500		2250×2150	20.0								
	1100		2400×2150	2400×2150													
P18-CO60	W	18	1224	1	2000×1400	1100	2450×2050	4200	1300	2450×2050	8.0	48	90				
P18-CO96	W										1.6		4350	1400	12.0	100	
P18-CO105	W										1.75		4400	1450	14.0	150	
P18-CO120	W										2		4500	1600	16.0		
P18-CO150	W										2.5		4800	2000	20.0		
P18-CO180	W										3		5250	2500	22.0		
P19-CO60	W	19	1292	1	2000×1500	1100	2450×2150	4200	1300	2450×2150	8.0	90					
P19-CO96	W										1.6	4350	1400	12.0	100		
P19-CO105	W										1.75	4400	1450	14.0	150		
P19-CO120	W										2	4500	1600	16.0			
P19-CO150	W										2.5	4800	2000	20.0			
P19-CO180	W										3	5250	2500	24.0			
P23-CO60	W	23	1564	1	2000×1700	1100	2450×2350	4200	1300	2450×2350	10.0	48	90				
	1200					2650×2350	2650×2350										
P23-CO96	W					1.6	1100	2450×2350	4350	1400	2450×2350		16.0	100			
	1200						2650×2350	2650×2350									
P23-CO105	W					1.75	1100	2450×2350	4400	1450	2450×2350		16.0		150		
	1200						2650×2350	2650×2350									
P23-CO120	W					2	1100	2450×2350	4500	1600	2450×2350		20.0				
	1200						2650×2350	2650×2350									
P23-CO150	W					2.5	1100	2450×2350	4800	2000	2450×2350		24.0				
	1200						2650×2350	2650×2350									
P23-CO180	W					3	1100	2450×2350	5250	2500	2450×2350		28.0				
	1200	2650×2350	2650×2350														
P26-CO60	W	26	1768	1	2100×1750	1200	2650×2400	4200	1300	2650×2400	12.0	90					
P26-CO96	W										1.6	4350	1400	18.0		100	
P26-CO105	W										1.75	4400	1450	18.0			
P26-CO120	W										2	4500	1600	22.0			
P26-CO150	W										2.5	4800	2000	26.0	150		
P26-CO180	W										3	5250	2500	32.0			
P29-CO60	W	29	1972	1	2100×1950	1200	2650×2600	4200	1300	2650×2600	12.0	90					
P29-CO96	W										1.6	4350	1400	20.0	100		
P29-CO105	W										1.75	4400	1450	20.0			
P29-CO120	W										2	4500	1600	24.0		150	
P29-CO150	W										2.5	4800	2000	30.0			
P29-CO180	W										3	5250	2500	36.0			

Note:

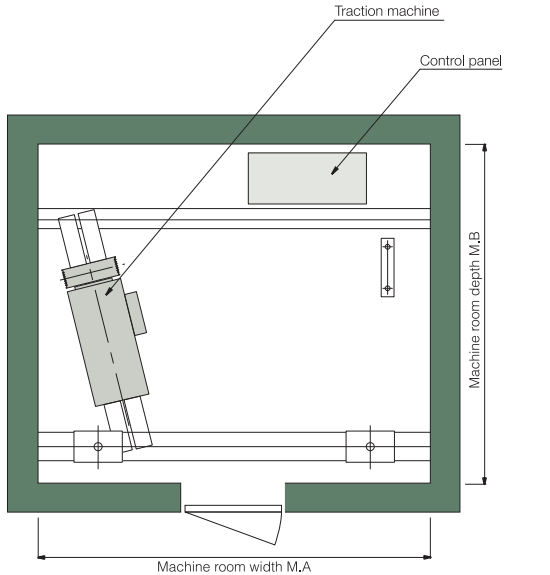
- In case of travel is 40m or more, add 150mm to OH dimension and TC dimension at the above-stated dimension.
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W: Wide car

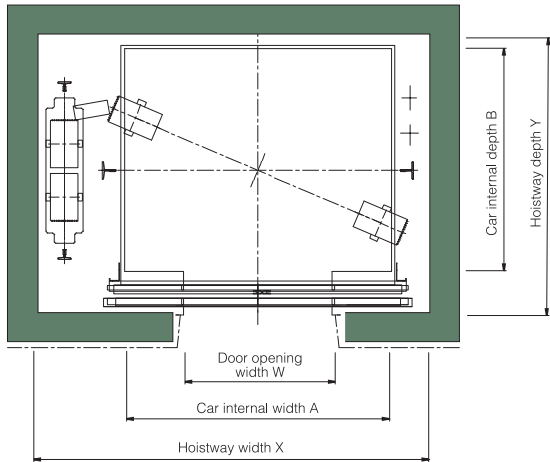
Hoistway Layout



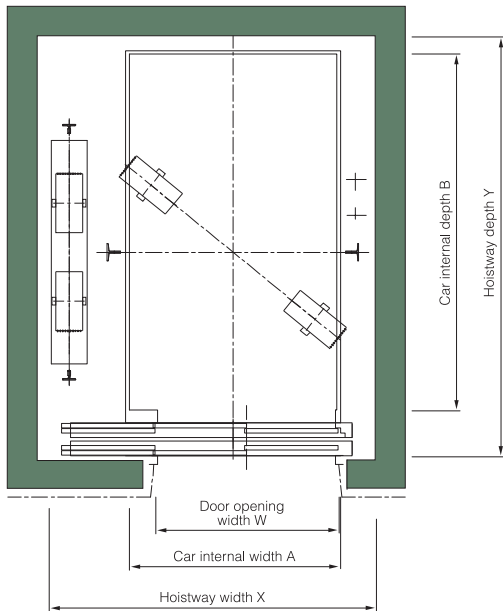
Hoistway section



Machine room plan



Typical floor hoistway plan (W)



Typical floor hoistway plan (D)

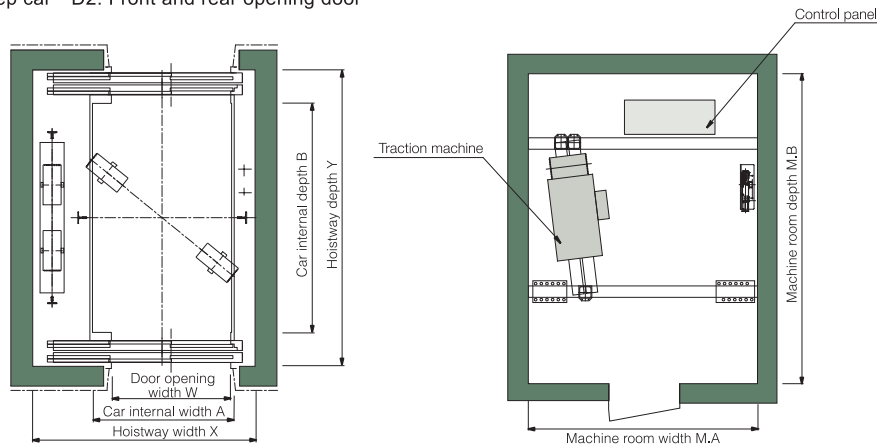
Specifications

Type		Nos. of Person	Capacity (kg)	Speed (m/s)	Cage size Internal (AxB) (mm)	Door with W (mm)	Hoistway size (mm)			Machine room dimensions (mm)		Motor Capacity (kW)	Max. Service Stops(s)	Max. Travel (m)				
							X × Y	OH	P	M.A × M.B	M.H							
P14-CO180	W	14	952	3	1600×1400	900	2400×1820	5250	2500	2400×1820		18.0		150				
						1000	2450×1820			2450×1820								
						1100	2450×1820			2450×1820								
P16-CO60	W	16	1088	1	1800×1500	1000	2600×1840	4200	1300	2600×1840		7.0		90				
	W					1100	2650×1840		2650×1840									
P16-CO96	W			1.6		1000	2600×1840	4350	1400	2600×1840		12.0				100		
	W					1100	2650×1840		2650×1840									
P16-CO105	W			1.75		1000	2600×1840	4400	1450	2600×1840		12.0						
	W					1100	2650×1840		2650×1840									
P16-CO120	W			2		1000	2600×1840	4500	1600	2600×1840		14.0						
	W					1100	2650×1840		2650×1840									
P16-CO150	W			2.5		1000	2600×1840	4800	2000	2600×1840		18.0				150		
	W					1100	2650×1840		2650×1840									
P16-CO180	W			3		1000	2600×1840			2600×1840	5250	2500	2600×1840		20.0			
	W					1100	2650×1840			2650×1840			2650×1840					
P18-2S60	D			18		1224	1	1200×2300	1100	2030×2710	4200	1300	2030×2710	2300	8.0		90	
P18-2S96	D						4350				1400	12.0				100		
P18-2S105	D						4400				1450	14.0						
P18-2S120	D						4500				1600	16.0				150		
P18-2S150	D	4800	2000		20.0													
P18-2S180	D	5250	2500		22.0													
P23-2S60	D	23	1564	1	1400×2400	1200	2230×2810	4200	1300	2230×2810	2300	10.0		90				
	D			1300		2330×2810		2330×2810										
P23-2S96	D			1200		2230×2810	4350	1400	2230×2810			16.0		100				
P23-2S96	D			1300		2330×2810		2330×2810										
P23-2S105	D			1200		2230×2810	4400	1450	2230×2810			16.0						
P23-2S105	D			1300		2330×2810		2330×2810										
P23-2S120	D			2		1200	2230×2810	4500	1600	2230×2810			20.0					
P23-2S120	D			1300		2330×2810		2330×2810										
P23-2S150	D			2.5		1200	2230×2810	4800	2000	2230×2810			24.0			150		
P23-2S150	D			2.5		1300	2330×2810		2330×2810									
P23-2S180	D			3		1200	2230×2810	5250	2500	2230×2810			28.0					
P23-2S180	D			3		1300	2330×2810			2330×2810								
P17-2S60	D2			17		1156	1	1200×2200	1100	2030×2870		4200	1300	2030×2870	2300	7.0		90
P17-2S96	D2						4350					1400	12.0				100	
P17-2S105	D2	4400	1450		12.0													
P17-2S120	D2	4500	1600		14.0						150							
P17-2S150	D2	4800	2000		18.0													
P17-2S180	D2	5250	2500	22.0														
P23-2S60	D2	23	1564	1	1400×2300	1200	2230×2970	4200	1300	2230×2970	2300	10.0		90				
P23-2S60	D2			1300		2330×2970		2330×2970										
P23-2S96	D2			1200		2230×2970	4350	1400	2230×2970			16.0		100				
P23-2S96	D2			1300		2330×2970		2330×2970										
P23-2S105	D2			1200		2230×2970	4400	1450	2230×2970			16.0						
P23-2S105	D2			1300		2330×2970		2330×2970										
P23-2S120	D2			2		1200	2230×2970	4500	1600	2230×2970			20.0					
P23-2S120	D2			2		1300	2330×2970		2330×2970									
P23-2S150	D2			2.5		1200	2230×2970	4800	2000	2230×2970			24.0			150		
P23-2S150	D2			2.5		1300	2330×2970		2330×2970									
P23-2S180	D2			3		1200	2230×2970	5250	2500	2230×2970			28.0					
P23-2S180	D2			3		1300	2330×2970			2330×2970								

※ Please consult our local distributor

Note:

- In case of travel is 40m or more, add 150mm to OH dimension and TC dimension at the above-stated dimension.
 - Please contact to our local distributor to check for other standard.
 - Hoistway dimensions are the minimum dimension 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.
- W: Wide car D: Deep car D2: Front and rear opening door



Typical floor hoistway plan (D2)

Machine room plan

Global Network

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.



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