



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

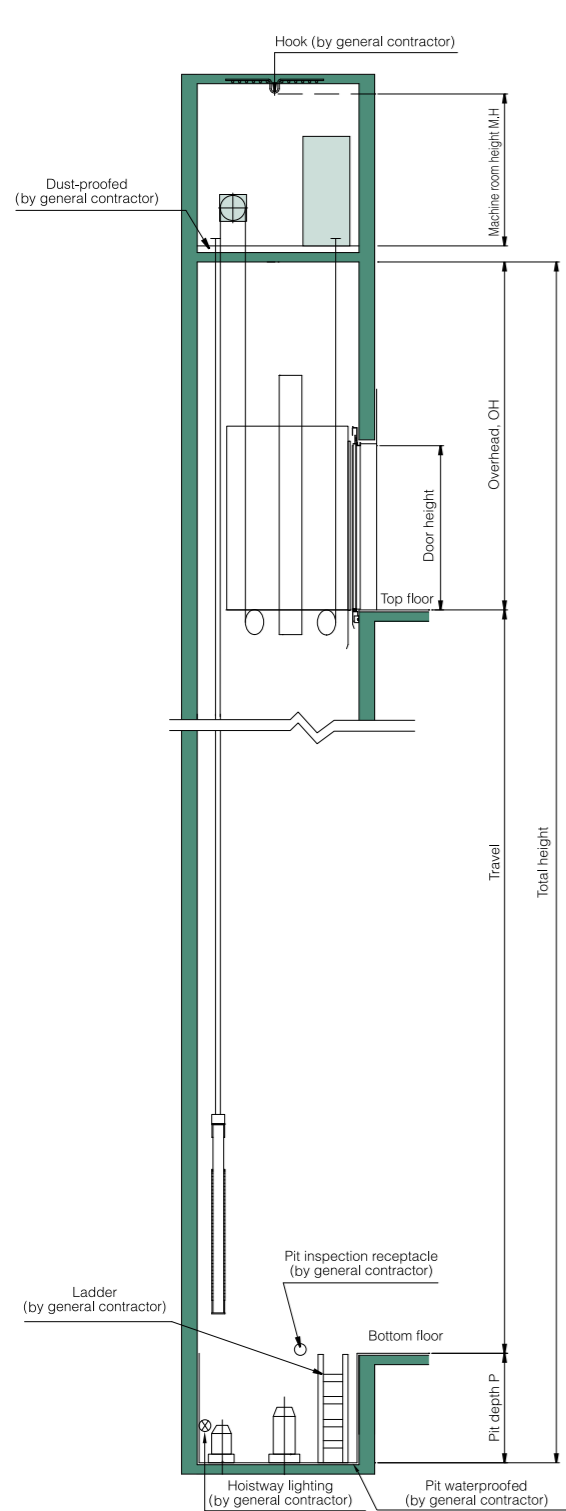
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• The data given in this catalogue are subject to change without notice.

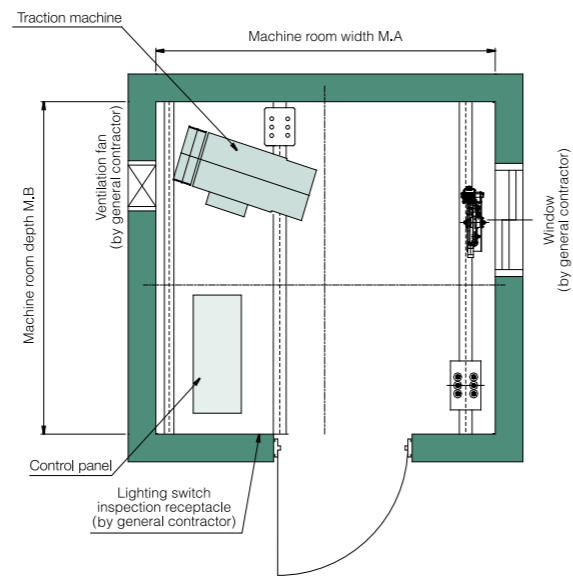
* Revised publication effective Nov. 2016

GK-F1893(1)-16.11-1000-16.11(NS)

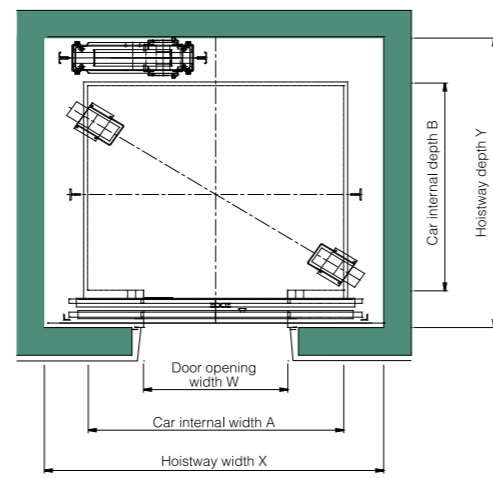
Hoistway Layout



Hoistway section



Machine room plan



Hoistway plan (W)

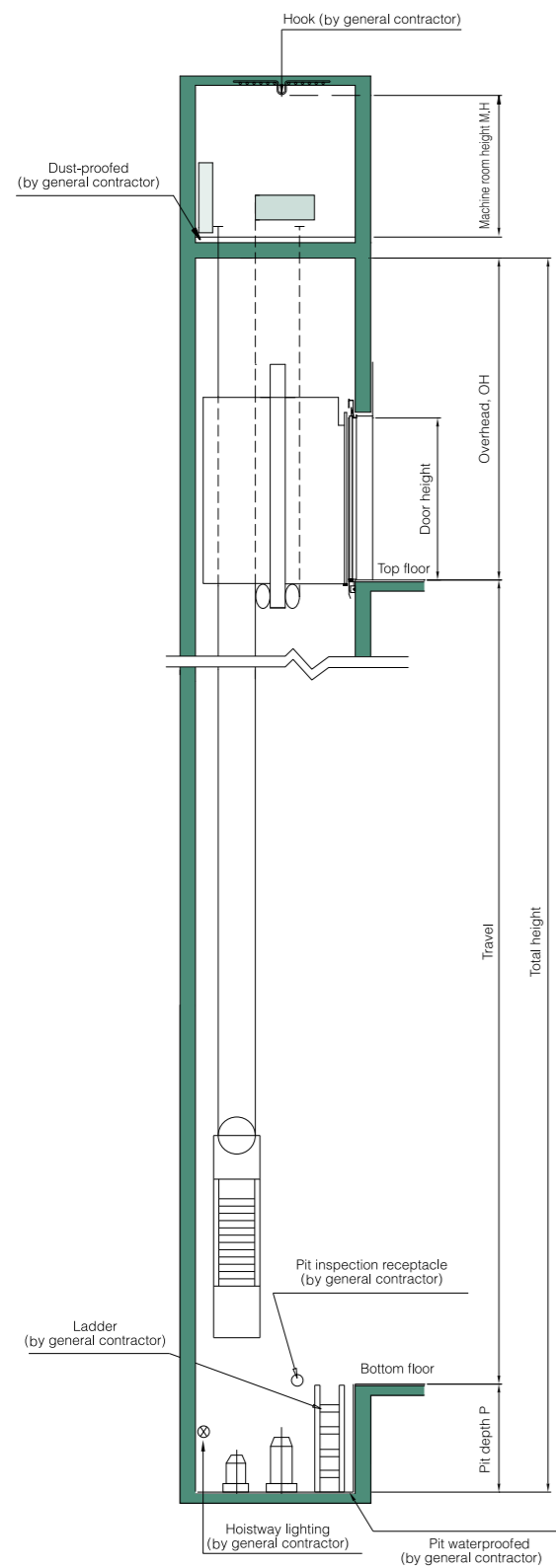
Specifications

Type	Nos. of Person	Capacity (kg)	Speed (m/s)	Cage size Internal (AxB) (mm)	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	612	1400x1100	800	1850x1660	4000	1300	1850x1660	2000	40	90						
P9-CO96	W				900	2050x1660			2050x1660									
P9-CO105	W				1.6	800			1850x1660				4200	1400	1850x1660			
P9-CO120	W		1.75		900	2050x1660	4250	1450	2050x1660				2050x1660					
P9-CO120	W		2		800	1850x1660	4350	1650	1850x1660				2050x1660					
P11-CO60	W		11		748	1400x1350	800	1850x1910	4000				1300	1850x1910	2000	40	90	
P11-CO96	W						900	2050x1910						2050x1910				
P11-CO105	W						1.6	800						1850x1910				4200
P11-CO120	W						1.75	900	2050x1910				4250	1450				2050x1910
P11-CO120	W	2		800			1850x1910	4350	1650	1850x1910	2050x1910							
P11-CO150	W	2.5		900			2050x1910	4550	2100	1850x1910	2050x1910							
P14-CO60	W	14		952			1600x1400	900	2100x1960	4000	1300	2100x1960	2000	40				90
P14-CO96	W							1000	2300x1960			2500x1960						
P14-CO105	W							1.6	900			2100x1960						
P14-CO105	W		1.75		1000	2300x1960		4250	1450	2300x1960	2500x1960							
P14-CO120	W		2		1100	2500x1960		4350	1650	2300x1960	2500x1960							
P14-CO120	W		2.5		900	2100x1960		4550	2100	2100x1960	2300x1960							
P14-CO150	W		2.5		1000	2300x1960		4550	2100	2300x1960	2500x1960							
P14-CO150	W		13.6		1100	2500x1960		4550	2100	2300x1960	2500x1960							

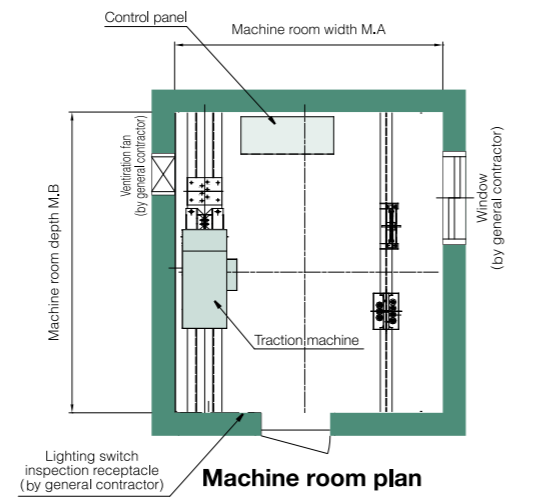
Note:

- The above specifications comply with IS 14665: 2000 standards. Please contact our local distributor to check for other standard.
 - In case of travel is 40m or more, add 150mm to OH dimension and TC dimension at the above-stated dimension.
 - In case more than one elevator(simples) is required, please consult our local distributor.
 - Hoistway dimensions are the minimum dimension after the construction work.
 - The hoistway dimensions in chart are the minimum requirement.
 - If the size of the hoistway is greater than the above sizes, OH will be larger. Please consult our local distributor.
 - OH value in the chart is for standard ceiling with cage height of 2300mm.
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 - Hoistway width centre and cage width centre is not same always.
 - The maximum allowable deviation in hoistway vertical plumbness is "-0 to +50mm".
 - The hoistway structure wall must be 150mm thick (Reinforced concrete) or more.
 - Hoistway walls be of reinforced concrete only. In case of hollow block/brick suitable bracket support in the form of reinforced concrete/ steel structure at all span levels shall be provided by general contractor without affecting the minimum hoistway dimension.
 - In case counter weight safety is required, please consult our local distributor.
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 - If the location of Power source panel, Control panel and Electric power supply are changed. Please consult our local distributor.
- W: Wide car

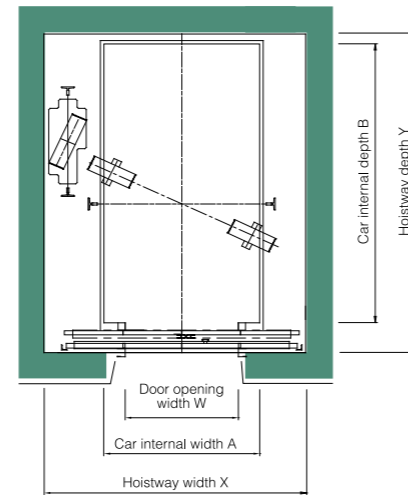
Hoistway Layout



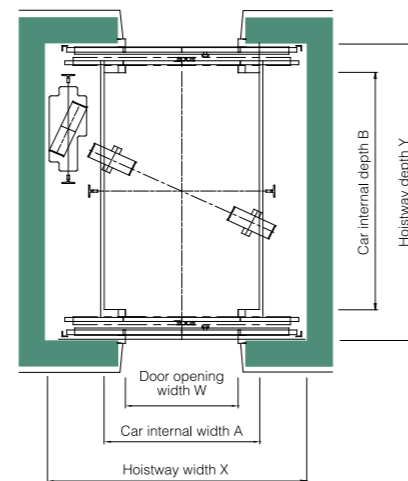
Hoistway section



Machine room plan



Hoistway plan (D)



Hoistway plan (D2)

Specifications

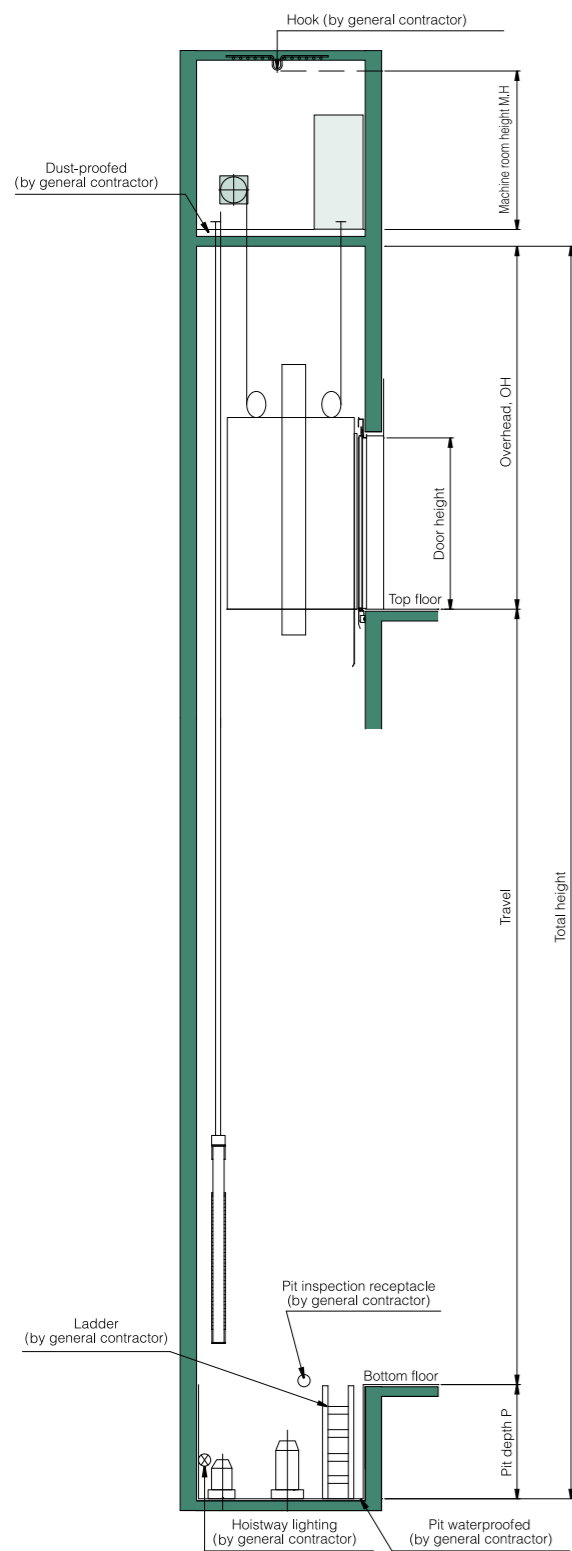
Type	Nos. of Person	Capacity (kg)	Speed (m/s)	Cage size Internal (AxB) (mm)	Door width (mm)		Hoistway size (mm)		Machine room dimensions (mm)		Motor Capacity (kW)	Max. Service Stops(s)	Max. Travel (m)
					W	X x Y	OH	P	M.A x M.B	M.H			
P9-CO60	D		1	1100x1400	800	1835x1725	4000	1300	1835x1725	2020x1725	3.5		90
					900	2020x1725			2020x1725				
P9-CO96	D	9	1.6	1100x1400	800	1835x1725	4200	1400	1835x1725	2020x1725	5.6	40	100
					900	2020x1725			2020x1725				
P9-CO105	D	9	1.75	1100x1400	800	1835x1725	4250	1450	1835x1725	2020x1725	6.1	40	100
					900	2020x1725			2020x1725				
P9-CO120	D	9	2	1100x1400	800	1835x1725	4350	1650	1835x1725	2020x1725	7.0	40	125
					900	2020x1725			2020x1725				
P11-CO60	D		1	1100x1700	800	1850x2000	4000	1300	1850x2000	2020x2000	4.2	40	90
					900	2020x2000			2020x2000				
P11-CO96	D	11	1.6	1100x1700	800	1850x2000	4200	1400	1850x2000	2020x2000	6.7	40	100
					900	2020x2000			2020x2000				
P11-CO105	D	11	1.75	1100x1700	800	1850x2000	4250	1450	1850x2000	2020x2000	7.3	40	100
					900	2020x2000			2020x2000				
P11-CO120	D	11	2	1100x1700	800	1850x2000	4350	1650	1850x2000	2020x2000	8.4	40	125
					900	2020x2000			2020x2000				
P11-CO150	D	11	2.5	1100x1700	800	1850x2150	4550	2100	1850x2150	2020x2150	10.5	40	125
					900	2020x2150			2020x2150				
P14-CO60	D		1	1100x2100	800	1850x2400	4000	1300	1850x2400	2020x2400	5.4	40	90
					900	2020x2400			2020x2400				
P14-CO96	D	14	1.6	1100x2100	800	1850x2400	4200	1400	1850x2400	2020x2400	8.7	40	100
					900	2020x2400			2020x2400				
P14-CO105	D	14	1.75	1100x2100	800	1850x2550	4250	1450	1850x2550	2020x2550	9.5	40	100
					900	2020x2550			2020x2550				
P14-CO120	D	14	2	1100x2100	800	1850x2400	4350	1650	1850x2400	2020x2400	10.9	40	125
					900	2020x2400			2020x2400				
P14-CO150	D	14	2.5	1100x2100	800	1850x2550	4550	2100	1850x2550	2020x2550	13.6	40	125
					900	2020x2550			2020x2550				

Note:

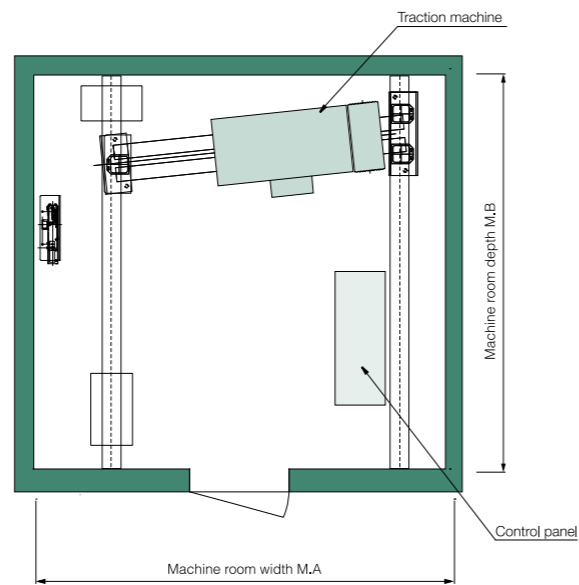
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- In case counter weight safety is required, please consult our local distributor.
- Piping wiring and cables which is not relevant to elevator are prohibited inside the hoistway.
- If the location of Power source panel, Control panel and Electric power supply are changed. Please consult our local distributor.

D: Deep car D2: Front and rear opening door

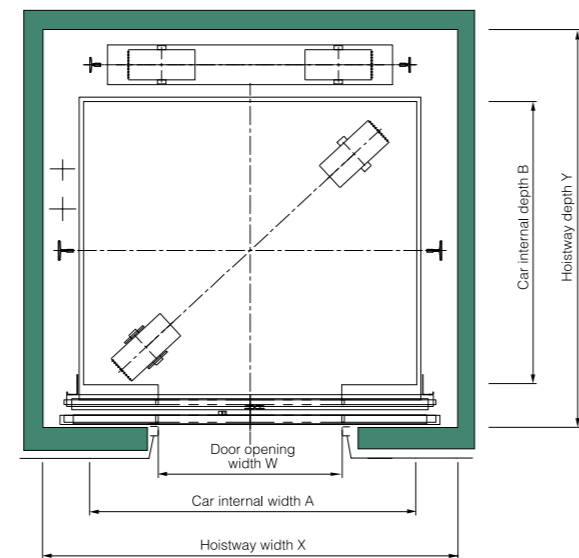
Hoistway Layout



Hoistway section



Machine room plan



Hoistway plan

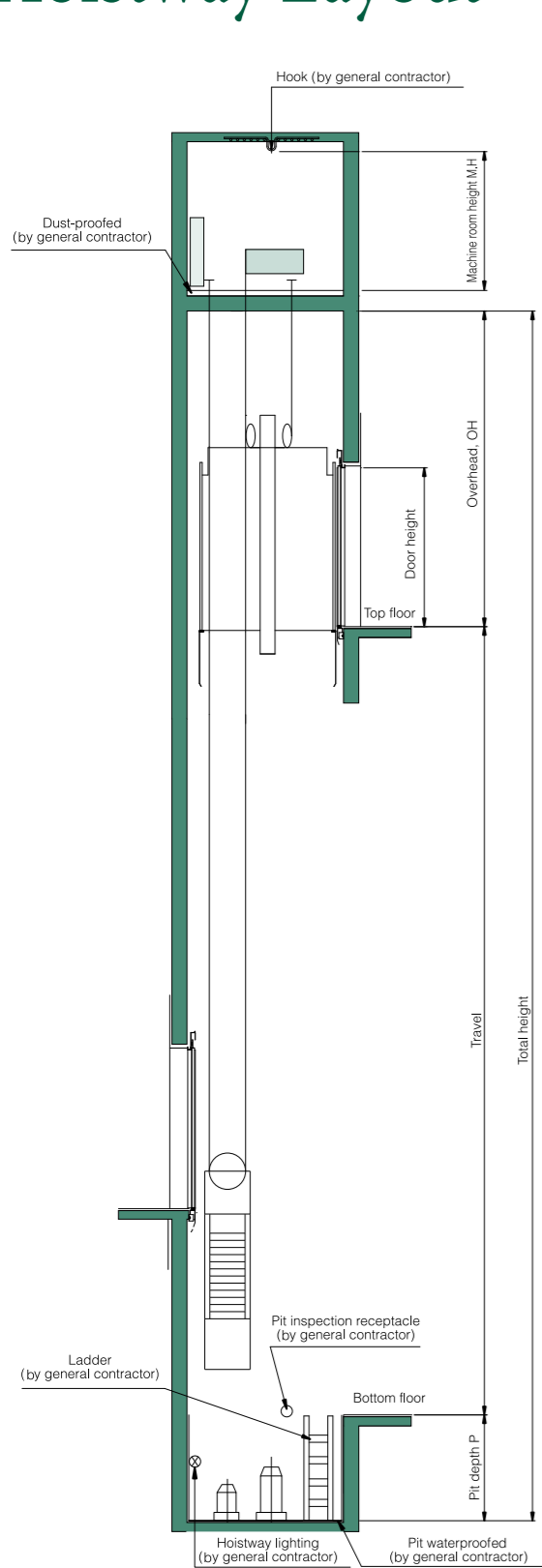
Specifications

Type	Nos. of Person	Capacity (kg)	Speed (m/s)	Cage size Internal (AxB) (mm)	Door 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			
P14-CO180	W	14	952	3	1600x1400	900	2050x2050	5250	2500	2050x2050	18.0	150				
						1000	2175x2050			2175x2050						
P17-CO60	W	17	1156	1	1800x1500	1000	2250x2150	4200	1300	2250x2150	7.0	90				
						1100	2400x2150			2400x2150						
P17-CO96	W	17	1156	1.6	1800x1500	1000	2250x2150	4350	1400	2250x2150	12.0	100				
						1100	2400x2150			2400x2150						
P17-CO105	W	17	1156	1.75	1800x1500	1000	2250x2150	4400	1450	2250x2150	12.0	150				
						1100	2400x2150			2400x2150						
P17-CO120	W	17	1156	2	1800x1500	1000	2250x2150	4500	1600	2250x2150	14.0	150				
						1100	2400x2150			2400x2150						
P17-CO150	W	17	1156	2.5	1800x1500	1000	2250x2150	4800	2000	2250x2150	18.0	150				
						1100	2400x2150			2400x2150						
P17-CO180	W	17	1156	3	1800x1500	1000	2250x2150	5250	2500	2250x2150	22.0	150				
						1100	2400x2150			2400x2150						
P18-CO60	W	18	1224	1	2000x1400	1100	2450x2050	4200	1300	2450x2050	8.0	90				
P18-CO96	W												1.6	4350	1400	12.0
P18-CO105	W												1.75	4400	1450	14.0
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	2000x1500	1100	2450x2150	4200	1300	2450x2150	8.0	90				
P19-CO96	W												1.6	4350	1400	12.0
P19-CO105	W												1.75	4400	1450	14.0
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	2000x1700	1100	2450x2350	4200	1300	2450x2350	10.0	90				
P23-CO96	W												1.6	4350	1400	16.0
P23-CO105	W												1.75	4400	1450	16.0
P23-CO120	W												2	4500	1600	20.0
P23-CO150	W												2.5	4800	2000	24.0
P23-CO180	W												3	5250	2500	28.0
P25-CO60	W	25	1700	1	2100x1750	1200	2650x2400	4200	1300	2650x2400	10.0	90				
P25-CO96	W												1.6	4350	1400	16.0
P25-CO105	W												1.75	4400	1450	18.0
P25-CO120	W												2	4500	1600	20.0
P25-CO150	W												2.5	4800	2000	26.0
P25-CO180	W												3	5250	2500	30.0
P29-CO60	W	29	1972	1	2100x1950	1200	2650x2600	4200	1300	2650x2600	12.0	90				
P29-CO96	W												1.6	4350	1400	20.0
P29-CO105	W												1.75	4400	1450	20.0
P29-CO120	W												2	4500	1600	24.0
P29-CO150	W												2.5	4800	2000	30.0
P29-CO180	W												3	5250	2500	36.0

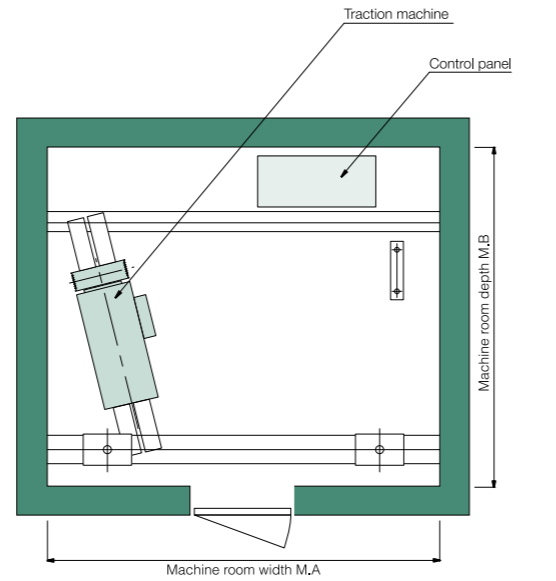
Note:

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 - If the location of Power source panel, Control panel and Electric power supply are changed. Please consult our local distributor.
- W: Wide car

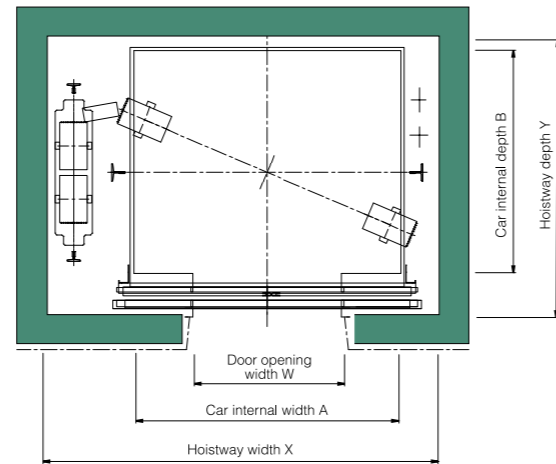
Hoistway Layout



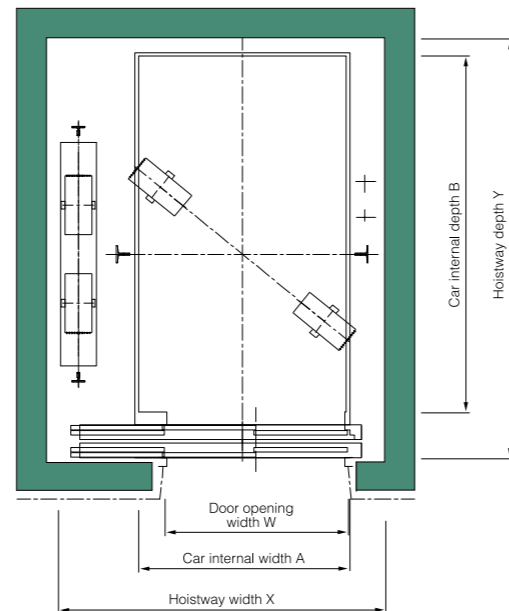
Hoistway section



Machine room plan



Typical floor hoistway plan (W)



Typical floor hoistway plan (D)

Specifications

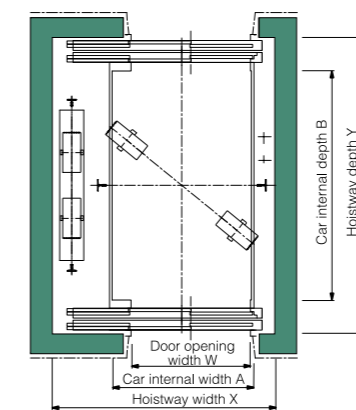
Type	Nos. of Person	Capacity (kg)	Speed (m/s)	Cage size Internal (AxB) (mm)	Door width W (mm)	Hoistway size (mm)			Machine room dimensions (mm)		Motor Capacity (kW)	Max. Service Stops(s)	Max. Travel (m)				
						X x Y	OH	P	M.A x M.B	M.H							
P14-CO180	W	14	952	3	1600x1400	900	2400x1820	5250	2500	2400x1820	18.0	48	150				
						1000	2450x1820			2450x1820							
						1100	2600x1820			2600x1820							
P17-CO60	W	17	1156	1	1800x1500	1000	2600x1840	4200	1300	2600x1840	7.0	90					
						1100	2650x1840			2650x1840							
						1000	2600x1840			2600x1840							
P17-CO96	W	17	1156	1.6	1800x1500	1100	2650x1840	4350	1400	2600x1840	12.0	100					
						1100	2650x1840			2650x1840							
						1000	2600x1840			2600x1840							
P17-CO105	W	17	1156	1.75	1800x1500	1000	2600x1840	4400	1450	2600x1840	12.0	150					
						1100	2650x1840			2650x1840							
						1000	2600x1840			2600x1840							
P17-CO120	W	17	1156	2	1800x1500	1000	2600x1840	4500	1600	2600x1840	14.0	150					
						1100	2650x1840			2650x1840							
						1000	2600x1840			2600x1840							
P17-CO150	W	17	1156	2.5	1800x1500	1000	2600x1840	4800	2000	2600x1840	18.0	150					
						1100	2650x1840			2650x1840							
						1000	2600x1840			2600x1840							
P17-CO180	W	17	1156	3	1800x1500	1000	2600x1840	5250	2500	2600x1840	22.0	150					
						1100	2650x1840			2650x1840							
						1000	2600x1840			2600x1840							
P18-2S60	D	18	1224	1	1200x2300	1100	2030x2710	4200	1300	2030x2710	8.0	48	90				
P18-2S96	D													1.6	4350	1400	12.0
P18-2S105	D													1.75	4400	1450	14.0
P18-2S120	D													2	4500	1600	16.0
P18-2S150	D													2.5	4800	2000	20.0
P18-2S180	D													3	5250	2500	22.0
P22-2S60	D	22	1496	1	1400x2400	1200	2230x2810	4200	1300	2230x2810	9.0	2200	90				
P22-2S96	D													1.6	4350	1400	14.0
P22-2S105	D													1.75	4400	1450	16.0
P22-2S120	D													2	4500	1600	18.0
P22-2S150	D													2.5	4800	2000	22.0
P22-2S180	D													3	5250	2500	26.0
P17-2S60	D2	17	1156	1	1200x2200	1100	2030x2870	4200	1300	2030x2870	7.0	48	90				
P17-2S96	D2													1.6	4350	1400	12.0
P17-2S105	D2													1.75	4400	1450	14.0
P17-2S120	D2													2	4500	1600	16.0
P17-2S150	D2													2.5	4800	2000	18.0
P17-2S180	D2													3	5250	2500	22.0
P21-2S60	D2	21	1428	1	1400x2300	1200	2230x2970	4200	1300	2230x2970	9.0	2200	90				
P21-2S96	D2													1.6	4350	1400	14.0
P21-2S105	D2													1.75	4400	1450	16.0
P21-2S120	D2													2	4500	1600	18.0
P21-2S150	D2													2.5	4800	2000	22.0
P21-2S180	D2													3	5250	2500	26.0
P21-2S60	D2	21	1428	1	1400x2300	1300	2330x2970	4200	1300	2330x2970	9.0	2200	90				
P21-2S96	D2													1.6	4350	1400	14.0
P21-2S105	D2													1.75	4400	1450	16.0
P21-2S120	D2													2	4500	1600	18.0
P21-2S150	D2													2.5	4800	2000	22.0
P21-2S180	D2													3	5250	2500	26.0

※ Please consult our local distributor

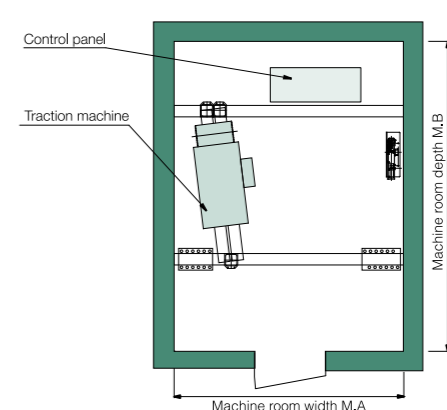
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W: Wide car D: Deep car D2: Front and rear opening door



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.



CHEVALIER (HK) LIMITED
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