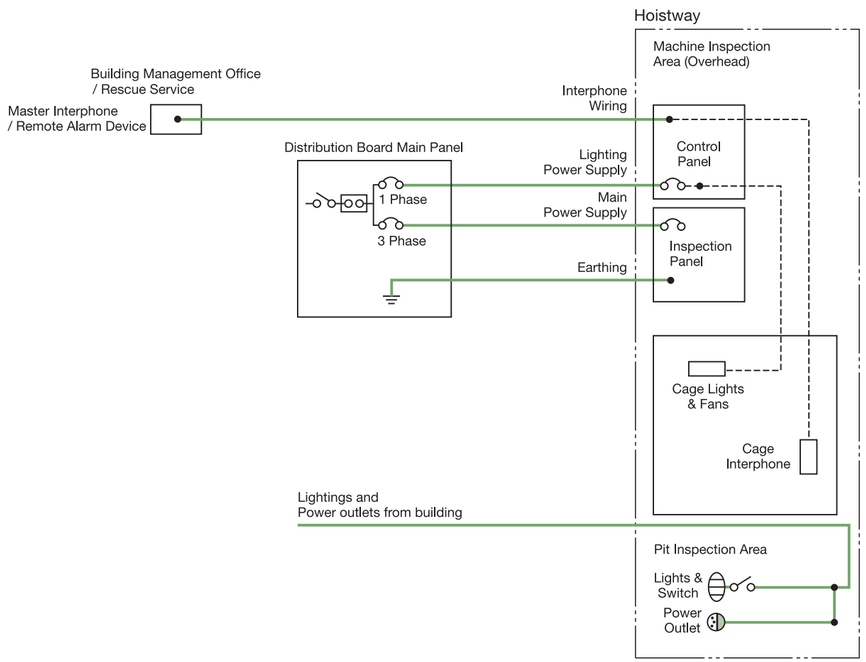
Electrical information

■Wiring Diagram

shows the works to be done by building.



■Work to be provided by building

Item	Works to be provided by building
Main power supply *1	To provide AC 3 phase 200 to 480V 50/60Hz main power supply with maintaining to ensure that the power supply does not fluctuate outside the range of -10% to +10% of the normal voltage rating and to ensure that the unbalance factor of voltage does not exceed 5%.
Lighting power supply *1	To supply and install AC single phase (20Amp) lighting power supply for car lighting, EBOPS and maintenance work.
Interphone *1	To provide piping and wiring (12 wires of 0.9mm²/elevator) for interphone located outside the hoistway.
Pit, hoistway lightings & power outlets	To supply and install AC single phase power outlet and lighting with switch located at accessible area from the entrance at bottom landing level for maintenance purpose. Arrange necessary to comply to local code & regulation.

Notes
- In the case that builder provides leak current detector at the side of main power, please use "invertor type" or "detector which does not do unnecessary operation for high frequency".
*1 Main power, lighting power, indicator power supply and interphone wiring shall be led into the hoistway at the highest lift landing.

RE-E223-7 1120

HITACHI
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MACHINE ROOM-LESS ELEVATOR

Model OUG Series ON1

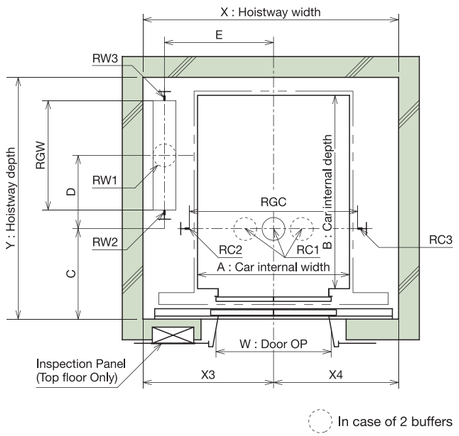
PLANNING INFORMATION

Memo

Dimension of Hoistway and Pit Reaction Loading

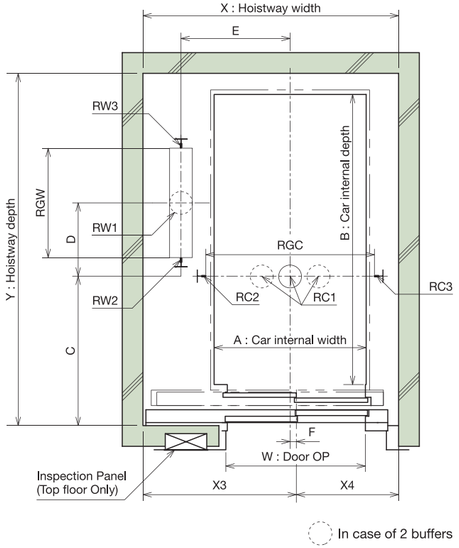
Hoistway dimension

■2PC0



Hoistway dimension and Pit reaction loading

■2S2P



Hoistway dimension and Pit reaction loading

Dimension and reaction loading of hoistway

■Based on Hitachi standard, EN81-20/50 and SASO-EN81-20/50

No.	Load [kg]	Persons	Rated speed [m/s] (m/min)	Door type	Door OP width W [mm]	Car internal size A × B [mm]	Hoistway X × Y [mm] *1	Location [mm] X3	X4 *1	C *2	D	E	F	RGC	RGW	Pit reaction loading *3*4*5 [kN] Car side RC1	RC2	RC3	Counterweight side RW1	RW2	RW3
1	630	8	1.0(60)	2PC0	800	1100×1400	1900×1800	1000	900	680 [690]	530	845	—	1330	800	72.5	35.0(221.5)	28.5(215.0)	59.5	16.0(198.5)	25.5(212.0)
2			1.5(90)														38.5(281.0)	31.5(274.0)		18.5(256.5)	28.5(270.5)
3			1.75(105)																		
4			1.0(60)			1400×1100	2050×1700 (2100×1700)	1105	945 (995)	635 [645]		950		1540			35.0(221.5)	28.5(215.0)		16.0(198.5)	25.5(212.0)
5			1.5(90)														38.5(281.0)	31.5(274.0)		18.5(256.5)	28.5(270.5)
6			1.75(105)																		
7	750	10	1.0(60)			1350×1400	2150×1800	1150	1000	680 [690]		970		1580		79.5	37.5(227.0)	30.5(219.5)	64.0	16.5(201.5)	27.0(216.0)
8			1.5(90)														41.0(286.0)	33.5(278.5)		19.0(259.5)	30.0(274.5)
9			1.75(105)																		
10			2.0(120)				2250×2000	1235	1015	705 [715]	640	1030			900	97.5	64.5(689.5)	54.5(679.0)	81.5	35.5(651.0)	52.5(677.0)
11			2.5(150)																		
12	900	12	1.0(60)		900	1500×1450	2200×1850	1175	1025	705 [715]	530	1000		1640	800	91.0	41.0(230.5)	33.0(222.5)	73.0	17.0(201.5)	29.0(218.0)
13			1.5(90)														44.5(289.5)	36.5(281.5)		20.0(259.5)	32.0(277.0)
14			1.75(105)																		
15			2.0(120)				2350×2000	1285	1065		640	1060			900	109.0	69.0(693.5)	58.0(682.5)	90.5	36.0(651.0)	54.5(679.0)
16			2.5(150)																		
17			1.0(60)			1600×1350	2350×1750 (2400×1750)	1315	1035 (1085)	655 [665]	530	1105		1740	800	92.0	41.5(228.0)	33.5(220.0)	74.0	17.0(198.5)	29.0(215.5)
18			1.5(90)														45.0(287.0)	36.5(278.5)		19.5(256.5)	32.0(274.0)
19			1.75(105)																		
20			2.0(120)				2450×2000	1335	1115	705 [715]	640	1110			900	111.0	69.0(693.5)	58.0(682.5)	92.5	36.0(651.0)	55.0(679.5)
21			2.5(150)																		
22	975	13	1.0(60)		800	1100×2000	1900×2400	1010	890	980 [990]	530	845		1330	800	94.0	42.0(230.5)	33.5(222.5)	74.5	17.0(201.5)	29.0(218.0)
23			1.5(90)														45.5(289.5)	37.0(281.5)		20.0(259.5)	32.0(277.0)
24			1.75(105)																		
25			2.0(120)				2050×2400	1130	920		640	905			900	114.0	69.0(693.5)	58.5(683.0)	94.0	36.0(652.0)	55.0(679.5)
26			2.5(150)																		
27			1.0(60)	2S2P	900		1900×2450	1110	790	1057 [1062]	530	845	95		800	94.0	42.0(231.5)	34.0(223.0)	74.5	17.5(201.5)	29.0(218.5)
28			1.5(90)														45.5(290.5)	37.0(282.0)		20.0(259.5)	32.0(277.0)
29			1.75(105)																		
30			2.0(120)				2000×2450	1205	795		640	905			900	114.0	70.0(694.5)	58.5(683.0)	94.0	36.5(651.0)	55.5(680.0)
31			2.5(150)																		
32	1050		1.0(60)			1600×1400	2300×1800	1225	1075	680 [690]	530	1050	—	1740	800	98.0	43.0(232.0)	34.5(223.5)	77.0	17.5(201.5)	29.5(219.0)
33			1.5(90)														46.5(291.0)	38.0(282.5)		20.0(259.5)	32.5(277.5)
34			1.75(105)	2PC0																	
35			2.0(120)				2450×2000	1335	1115	705 [715]	640	1110			900	117.0	70.0(695.0)	59.5(684.0)	95.5	36.5(652.0)	55.5(680.0)
36			2.5(150)																		
37		14	1.0(60)	2S2P	900	1000×2400	1800×2850	1015	785	1257 [1262]	530	795	45	1230	800	100.5	44.0(233.0)	35.5(224.5)	79.5	17.5(201.5)	30.5(219.5)
38			1.5(90)														47.0(292.0)	38.5(283.5)		20.5(259.5)	33.5(278.5)
39			1.75(105)																		
40			2.0(120)				1900×2850	1105	795		640	855			900	118.5	71.0(695.5)	59.5(684.0)	97.5	36.5(651.0)	56.0(680.5)
41			2.5(150)																		
42			1.0(60)	2PC0		1100×2100	2000×2500	1005	995	1030 [1040]	530	845	—	1330	800	99.0	43.5(230.0)	35.0(221.5)	77.5	17.5(198.5)	30.0(216.5)
43			1.5(90)														47.0(289.0)	38.0(280.5)	78.0	20.0(256.5)	33.0(275.0)
44			1.75(105)																		
45			2.0(120)				2150×2500	1130	1020		640	905			900	117.0	70.0(695.0)	59.5(684.0)	95.5	36.5(652.0)	55.5(680.0)
46			2.5(150)																		
47			1.0(60)	2S2P	1000		1900×2550 (1950×2550)	1115	785 (835)	1107 [1112]	530	845	45		800	96.5	43.0(229.5)	34.5(221.0)	77.0	17.5(198.5)	29.5(216.0)
48			1.5(90)													97.5	46.5(289.0)	38.0(280.5)	78.0	20.0(256.5)	33.0(275.0)
49			1.75(105)																		
50			2.0(120)				2000×2550	1155	845		640	905			900	117.0	70.5(695.5)	59.5(684.0)	95.5	36.5(651.0)	56.0(680.5)
51			2.5(150)																		
52			1.0(60)	2PC0	900	1600×1500	2300×1900	1225	1075	730 [740]	530	1050	—	1740	800	98.5	43.5(232.0)	35.0(224.0)	77.5	17.5(201.5)	30.0(219.0)
53			1.5(90)														47.0(291.5)	38.0(283.0)		20.0(259.5)	33.0(277.5)
54			1.75(105)																		
55			2.0(120)				2450×2000	1335	1115		640	1110			900	117.0	70.0(695.0)	59.5(684.0)	95.5	36.5(652.0)	55.5(680.0)
56			2.5(150)																		

Notes
- Above tables shows the dimensions on the following conditions
  (1) Single elevator in hoistway (2) Without counterweight safety
  Please consult Hitachi or local agent if other specifications are required.

*1 ( ) : Travel distance > 60m
*2 [ ] : With fire rated door
*3 ( ) : EN81-20/50
*4 Rated speed 1.0m/s : Travel distance ≤ 60m
Rated speed 1.5 , 1.75m/s : Travel distance ≤ 80m
Rated speed 2.0 , 2.5m/s : Travel distance ≤ 120m
*5 The pit reaction loading differs depending on the specifications and design, please consult Hitachi or local agent.

■Based on Hitachi standard, EN81-20/50 and SASO-EN81-20/50

No.	Load [kg]	Persons	Rated speed [m/s] (m/min)	Door type	Door OP width W [mm]	Car internal size A × B [mm]	Hoistway X × Y [mm] *1	Location [mm]								Pit reaction loading *3*4*5 [kN]					
																Car side			Counterweight side		
								X3	X4 *1	C *2	D	E	F	RGC	RGW	RC1	RC2	RC3	RW1	RW2	RW3
57	1200	16	1.0(60)	2PCO	1000	1600×1700	2400×2100	1295	1105	830 [840]	640	1110	—	1740	900	122.5	57.0(389.0)	46.0(377.5)	98.0	24.5(347.0)	40.5(372.5)
58			1.5(90)														62.5(491.5)	50.5(480.0)		28.5(448.0)	45.0(474.5)
59			1.75(105)																		
60			2.0(120)				2450×2100	1330	1120							128.5	75.0(699.5)	62.5(687.0)	104.0	37.5(650.5)	58.5(683.0)
61			2.5(150)																		
62			1.0(60)			1800×1500	2600×2000	1390	1210	730 [740]		1210		1940		117.5	55.5(387.0)	44.5(376.0)	94.5	24.0(347.0)	39.5(371.5)
63			1.5(90)													121.5	61.5(491.0)	50.0(479.5)	98.5	28.5(448.0)	44.5(474.0)
64			1.75(105)																		
65			2.0(120)				2650×2000	1435	1215							126.5	74.0(698.0)	62.0(686.0)	102.5	37.5(650.5)	58.0(682.5)
66			2.5(150)																		
67			1.0(60)		1100	2000×1400	2800×1950	1495	1305	680 [690]		1310		2140		122.5	57.0(389.0)	46.0(377.5)	98.0	24.5(347.0)	40.5(372.5)
68			1.5(90)														62.5(491.5)	50.5(480.0)		28.5(448.0)	45.0(474.5)
69			1.75(105)																		
70			2.0(120)				2850×2000	1535	1315	705 [715]						128.5	75.0(699.5)	62.5(687.0)	104.0	37.5(650.5)	58.5(683.0)
71			2.5(150)																		
72	1250		1.0(60)	2S2P		1200×2300	2100×2750	1210	890	1207 [1212]		955	45	1430		124.5	58.0(389.5)	46.5(378.0)	99.0	24.5(346.5)	41.0(372.5)
73			1.5(90)														63.0(492.5)	51.0(480.5)		28.5(448.0)	45.5(474.5)
74			1.75(105)																		
75			2.0(120)				2150×2750	1235	915							130.5	75.5(700.0)	63.0(687.5)	105.0	37.5(650.5)	58.5(683.5)
76			2.5(150)																		
77	1350	18	1.0(60)	2PCO	1000	1800×1700	2600×2100	1395	1205	830 [840]		1210		1940		65.25x2sets	59.5(391.5)	48.0(379.5)	103.5	25.0(346.5)	42.0(374.0)
78			1.5(90)														65.0(494.0)	52.5(482.0)		29.0(447.5)	46.5(475.5)
79			1.75(105)													130.5					
80			2.0(120)				2650×2100	1435	1215							140.5	78.5(703.0)	65.0(690.0)	113.0	38.5(650.5)	60.5(685.0)
81			2.5(150)																		
82			1.0(60)		1100	2000×1500	2800×2000	1495	1305	730 [740]		1310	—	2140		65.25x2sets	59.5(391.5)	48.0(379.5)	103.5	25.0(346.5)	42.0(374.0)
83			1.5(90)														65.0(494.0)	52.5(482.0)		29.0(447.5)	46.5(475.5)
84			1.75(105)													130.5					
85			2.0(120)				2850×2000	1535	1315							140.5	78.5(703.0)	65.0(690.0)	113.0	38.5(650.5)	60.5(685.0)
86			2.5(150)																		
87			1.0(60)			2000×1550	2800×2050	1495	1305	755 [765]						66.25x2sets	60.0(386.5)	48.0(375.0)	105.0	24.5(341.5)	42.0(369.0)
88			1.5(90)														64.5(489.5)	53.5(477.0)		28.5(443.0)	46.0(470.5)
89			1.75(105)													132.5					
90			2.0(120)				2850×2050	1535	1315							140.5	78.5(703.0)	65.0(690.0)	113.0	38.5(650.5)	60.5(685.0)
91			2.5(150)																		
92	1425	19	1.0(60)		1000	1300×2300	2250×2700	1170	1080	1130 [1140]		1005		1530		66.75x2sets	60.5(391.5)	48.5(379.5)	105.0	25.0(346.5)	42.0(374.0)
93			1.5(90)														65.5(494.0)	53.0(482.0)		29.0(447.5)	46.5(475.5)
94			1.75(105)													133.5					
95			2.0(120)				2350×2700	1230	1120							143.5	78.5(703.0)	66.0(690.5)	114.5	38.5(651.0)	60.5(685.0)
96			2.5(150)																		
97			1.0(60)	2S2P	1100	1300×2300	2200×2750	1290	910	1207 [1212]			95			66.75x2sets	59.5(391.5)	48.5(380.0)	105.0	26.0(347.0)	45.0(376.5)
98			1.5(90)														65.0(494.0)	53.0(482.5)		29.5(448.0)	49.0(478.5)
99			1.75(105)													133.5					
100			2.0(120)					1305	895							143.0	78.5(703.5)	65.5(690.0)	114.5	38.5(650.5)	61.0(685.5)
101			2.5(150)																		
102			1.0(60)	2PCO	1000	1800×1750	2600×2150	1395	1205	855 [865]		1210	—	1940		67.75x2sets	61.0(393.0)	49.0(381.0)	106.5	25.0(346.5)	42.5(374.5)
103			1.5(90)														66.5(495.5)	54.0(483.0)		29.0(447.5)	47.0(476.5)
104			1.75(105)													135.5					
105			2.0(120)				2650×2150	1435	1215							147.5	80.5(705.5)	67.0(691.5)	118.5	39.0(650.5)	62.0(685.5)
106			2.5(150)																		
107	1600	21	1.0(60)		1100	1400×2400	2500×2800	1245	1255	1180 [1190]		1055		1630		73.25x2sets	64.5(391.5)	51.5(378.5)	114.5	25.5(341.5)	44.5(371.5)
108			1.5(90)														69.5(494.0)	56.5(481.0)	115.5	29.5(442.5)	49.0(473.5)
109			1.75(105)													146.5					
110			2.0(120)					1255	1245							158.0	83.0(708.0)	69.5(695.5)	126.0	39.5(651.0)	63.0(689.5)
111			2.5(150)																		

Notes
- Above tables shows the dimensions on the following conditions
  (1) Single elevator in hoistway (2) Without counterweight safety
  Please consult Hitachi or local agent if other specifications are required.

*1 ( ) : Travel distance > 60m
*2 [ ] : With fire rated door
*3 ( ) : EN81-20/50
*4 Rated speed 1.0m/s : Travel distance ≤ 60m
Rated speed 1.5 , 1.75m/s : Travel distance ≤ 80m
Rated speed 2.0 , 2.5m/s : Travel distance ≤ 120m
*5 The pit reaction loading differs depending on the specifications and design, please consult Hitachi or local agent.

Dimension of Hoistway and Pit Reaction Loading

Dimension and reaction loading of hoistway

■Based on Hitachi standard, EN81-20/50 and SASO-EN81-20/50

No.	Load [kg]	Persons	Rated speed [m/s] (m/min)	Door type	Door OP width W [mm]	Car internal size A × B [mm]	Hoistway X × Y [mm] *1	Location [mm] X3	Location [mm] X4 *1	Location [mm] C *2	Location [mm] D	Location [mm] E	Location [mm] F	Location [mm] RGC	Location [mm] RGW	Pit reaction loading *3*4*5 [kN] Car side RC1	Car side RC2	Car side RC3	Counterweight side RW1	Counterweight side RW2	Counterweight side RW3
112	1600	21	1.0(60)	2S2P	1200	1400×2400	2300×2850	1355	945	1257 [1262]	640	1055	95	1630	900	71.5x2sets	63.5(390.5)	51.0(377.5)	113.5	25.5(341.5)	44.0(371.0)
113			1.5(90)													72.5x2sets	69.5(494.0)	56.0(481.0)	115.5	29.5(442.5)	49.0(473.5)
114			1.75(105)													145.0					
115			2.0(120)													162.0	85.0(710.0)	70.5(695.5)	129.5	40.0(650.0)	64.5(687.5)
116			2.5(150)																		
117			1.0(60)	2PC0	1100	2000×1750	2800×2150	1495	1305	855 [865]		1310	—	2140		75.75x2sets	66.5(398.0)	53.0(385.0)	119.5	26.5(346.5)	45.5(377.5)
118			1.5(90)														71.5(501.0)	58.0(487.0)		30.0(448.0)	50.0(479.5)
119			1.75(105)													151.5					
120			2.0(120)				2850×2150	1535	1315							162.0	85.0(710.0)	70.5(695.5)	129.5	40.0(650.0)	64.5(687.5)
121			2.5(150)																		
122	1800	23	1.0(60)			2100×1700	3000×2100	1660	1340	830 [840]		1385	—	2240		84.75x2sets	65.5(397.5)	57.5(389.5)	135.5	34.5(353.0)	51.0(383.0)
123			1.5(90)														70.5(499.5)	62.5(492.0)		39.0(454.0)	55.5(485.0)
124			1.75(105)													169.5					
125		24	1.0(60)	2S2P	1200	1500×2500	2500×2950	1555	945	1307 [1312]		1130	145	1730		84.75x2sets	65.5(397.5)	57.5(389.5)	133.5	34.5(353.0)	51.0(383.0)
126			1.5(90)														70.5(499.5)	62.5(492.0)		39.0(454.0)	55.5(485.0)
127			1.75(105)													169.5					
128			1.0(60)	2PC0	1100	2000×1800	2900×2200	1610	1290	880 [890]		1335	—	2140		84.75x2sets	65.5(397.5)	57.5(389.5)	135.5	34.5(353.0)	51.0(383.0)
129			1.5(90)														70.5(499.5)	62.5(492.0)		39.0(454.0)	55.5(485.0)
130			1.75(105)													169.5					
131	2000	26	1.0(60)	2S2P	1300	1500×2700	2500×3150	1505	995	1407 [1412]		1130	95	1730		89.75x2sets	68.0(400.0)	60.0(392.0)	139.5	35.5(353.0)	52.5(384.5)
132			1.5(90)														73.0(502.5)	65.0(494.0)		39.5(454.5)	57.0(486.5)
133			1.75(105)													179.5					
134			1.0(60)	2PC0	1100	2000×2000	2900×2400	1610	1290	980 [990]		1335	—	2140		89.75x2sets	68.0(400.0)	60.0(392.0)		35.5(353.0)	52.5(384.5)
135			1.5(90)														73.0(502.5)	65.0(494.0)		39.5(454.5)	57.0(486.5)
136			1.75(105)													179.5					
137			1.0(60)			2000×2100	2900×2500			1030 [1040]						90.75x2sets	68.5(400.5)	60.5(392.5)	141.5	36.0(353.5)	53.0(385.0)
138			1.5(90)														73.5(503.0)	65.5(494.5)		40.0(454.5)	57.5(487.0)
139			1.75(105)													181.5					

Notes
- Above tables shows the dimensions on the following conditions
  (1) Single elevator in hoistway (2) Without counterweight safety
  Please consult Hitachi or local agent if other specifications are required.

*1 ( ) : Travel distance > 60m
*2 [ ] : With fire rated door
*3 ( ) : EN81-20/50
*4 Rated speed 1.0m/s : Travel distance ≤ 60m
Rated speed 1.5 , 1.75m/s : Travel distance ≤ 80m
Rated speed 2.0 , 2.5m/s : Travel distance ≤ 120m
*5 The pit reaction loading differs depending on the specifications and design, please consult Hitachi or local agent.

■Based on Malaysian regulations

No.	Load [kg]	Persons	Rated speed [m/s] (m/min)	Door type	Door OP width W [mm]	Car internal size A × B [mm]	Hoistway X × Y [mm] *1	Location [mm] X3	Location [mm] X4 *1	Location [mm] C	Location [mm] D	Location [mm] E	Location [mm] F	Location [mm] RGC	Location [mm] RGW	Pit reaction loading *2*3 [kN] Car side RC1	Car side RC2	Car side RC3	Counterweight side RW1	Counterweight side RW2	Counterweight side RW3
1	615	9	1.0(60)	2PC0	800	1150×1400	1950×1800	1050	900	690	530	870	—	1380	800	74.0	225.0	218.0	61.5	201.5	215.5
2			1.5(90)														285.0	278.0		260.5	275.0
3			1.75(105)																		
4	750	11	1.0(60)			1350×1400	2150×1800	1150	1000			970		1580		79.5	227.0	219.5	64.0	201.5	216.0
5			1.5(90)														287.0	279.5		260.5	275.5
6			1.75(105)																		
7			2.0(120)				2250×2000	1235	1015	715	640	1030			900	97.5	695.5	685.0	81.5	657.0	683.0
8			2.5(150)																		
9	885	13	1.0(60)		900	1500×1450	2200×1850	1175	1025		530	1000		1640	800	90.5	230.5	222.5	72.5	201.5	218.0
10			1.5(90)														290.5	282.0		260.5	277.5
11			1.75(105)																		
12			2.0(120)				2350×2000	1285	1065		640	1060			900	108.5	699.0	688.0	90.0	657.0	685.0
13			2.5(150)																		
14			1.0(60)			1600×1350	2350×1750 (2400×1750)	1315	1035 (1085)	665	530	1105		1740	800	91.5	228.0	219.5	73.5	198.5	215.5
15			1.5(90)														288.0	279.5		257.5	275.0
16			1.75(105)																		
17			2.0(120)				2450×2000	1335	1115	715	640	1110			900	110.5	699.5	688.5	92.0	657.0	685.5
18			2.5(150)																		
19	955	14	1.0(60)	2S2P	1000	1100×2100	1900×2550 (1950×2550)	1115	785 (835)	1112	530	845	45	1330	800	96.0	229.5	221.0	77.0	198.5	216.0
20			1.5(90)														289.5	281.0		257.5	276.0
21			1.75(105)																		
22			2.0(120)				2000×2550	1155	845		640	905			900	113.0	700.5	689.0	93.5	657.0	686.0
23			2.5(150)																		
24			1.0(60)	2PC0	900	1600×1450	2300×1850	1225	1075	715	530	1050	—	1740	800	95.0	232.0	223.5	76.0	201.5	219.0
25			1.5(90)														292.0	283.5		260.5	278.5
26			1.75(105)																		
27			2.0(120)				2450×2000	1335	1115		640	1110			900	113.0	700.5	689.0	93.5	657.0	686.0
28			2.5(150)																		
29	1025	15	1.0(60)			1600×1550	2300×1950	1225	1075	765	530	1050			800	98.0	229.5	221.5	77.5	198.5	216.5
30			1.5(90)														290.0	281.0		257.5	276.0
31			1.75(105)																		
32			2.0(120)				2450×2050	1335	1115		640	1110			900	116.0	701.0	689.5	95.0	657.0	686.5
33			2.5(150)																		
34	1160	17	1.0(60)	2S2P	1100	1200×2300	2100×2750	1210	890	1212		955	45	1430		119.0	388.0	377.0	95.5	347.0	372.0
35			1.5(90)														492.5	481.0		450.0	476.0
36			1.75(105)																		
37			2.0(120)				2150×2750	1235	915							127.0	705.0	692.5	103.5	656.5	689.0
38			2.5(150)																		
39			1.0(60)	2PC0	1000	1600×1700	2400×2100	1295	1105	840		1110	—	1740		117.0	387.5	376.5	93.5	346.5	371.5
40			1.5(90)														492.0	480.5		450.0	475.5
41			1.75(105)																		
42			2.0(120)				2450×2100	1330	1120							127.0	705.0	692.5	103.5	656.5	689.0
43			2.5(150)																		
44			1.0(60)			1800×1500	2600×2000	1390	1210	740		1210		1940		117.0	382.0	371.0	94.5	342.0	366.0
45			1.5(90)													121.0	488.0	476.5	98.5	445.0	471.0
46			1.75(105)																		
47			2.0(120)				2650×2000	1435	1215							127.0	705.0	692.5	103.5	656.5	689.0
48			2.5(150)																		
49	1295	19	1.0(60)	2S2P	1100	1300×2300	2200×2750	1290	910	1212		1005	95	1530		128.5	391.0	379.0	102.5	347.0	373.5
50			1.5(90)														495.5	483.5		450.0	477.5
51			1.75(105)																		
52			2.0(120)					1305	895							138.5	708.5	695.5	112.0	656.5	691.0
53			2.5(150)																		

Notes
- Above tables shows the dimensions on the following conditions
  (1) Single elevator in hoistway (2) Without counterweight safety
  (3) With fire rated door
  Please consult Hitachi or local agent if other specifications are required.

*1 ( ) : Travel distance > 60m
*2 Rated speed 1.0m/s : Travel distance ≤ 60m
Rated speed 1.5 , 1.75m/s : Travel distance ≤ 80m
Rated speed 2.0 , 2.5m/s : Travel distance ≤ 120m
*3 The pit reaction loading differs depending on the specifications and design, please consult Hitachi or local agent.

Dimension of Hoistway and Pit Reaction Loading

Dimension and reaction loading of hoistway

■Based on Malaysian regulations

No.	Load [kg]	Persons	Rated speed [m/s] (m/min)	Door type	Door OP width W [mm]	Car internal size A × B [mm]	Hoistway X × Y [mm] *1	Location [mm] X3	X4 *1	C	D	E	F	RGC	RGW	Pit reaction loading *2*3 [kN] Car side RC1	RC2	RC3	Counterweight side RW1	RW2	RW3
54	1365	20	1.0(60)	2PC0	1000	1800×1750	2600×2150	1395	1205	865	640	1210	—	1940	900	66.5x2sets	392.5	380.5	105.5	346.5	374.0
55			1.5(90)													133.0	497.0	484.5		450.0	478.0
56			1.75(105)																		
57			2.0(120)				2650×2150	1435	1215							141.0	709.5	696.0	113.5	656.5	691.5
58			2.5(150)																		
59			1.0(60)		1100	2000×1550	2800×2050	1495	1305	765		1310		2140		66.5x2sets	387.0	375.0	105.5	341.5	369.0
60			1.5(90)													133.0	489.5	479.0		445.0	473.5
61			1.75(105)																		
62			2.0(120)				2850×2050	1535	1315							141.0	709.5	696.0	113.5	656.5	691.5
63			2.5(150)																		
64	1500	22	1.0(60)	2S2P	1200	1400×2400	2300×2850	1355	945	1262		1055	95	1630		71.5x2sets	390.5	377.5	115.5	341.5	371.0
65			1.5(90)													145.0	496.0	483.0		444.5	475.5
66			1.75(105)																		
67			2.0(120)													154.0	713.5	699.5	124.0	656.5	694.0
68			2.5(150)																		
69	1565	23	1.0(60)	2PC0	1100	2000×1750	2800×2150	1495	1305	865		1310	—	2140		75.0x2sets	398.0	384.5	118.5	347.0	377.5
70			1.5(90)													150.0	502.5	489.0		450.0	481.0
71			1.75(105)																		
72			2.0(120)				2850×2150	1535	1315							160.5	715.5	701.0	129.0	656.5	695.0
73			2.5(150)																		
74	1635	24	1.0(60)			2000×1800	2800×2200	1495	1305	890						77.75x2sets	399.5	386.0	122.5	347.0	378.0
75			1.5(90)													155.5	504.0	490.0		450.0	482.0
76			1.75(105)																		
77			2.0(120)				2850×2200	1535	1315							165.5	717.0	702.0	132.5	656.5	696.0
78			2.5(150)																		
79	1705	25	1.0(60)	2S2P	1200	1500×2500	2500×2950	1555	945	1312		1130	145	1730		83.0x2sets	396.5	388.5	132.0	353.0	382.0
80			1.5(90)													166.0	500.5	493.0		456.0	486.0
81			1.75(105)																		
82	1835	27	1.0(60)	2PC0	1100	2000×2000	2900×2400	1610	1290	990		1335	—	2140		86.5x2sets	398.0	390.5	136.5	353.0	383.5
83			1.5(90)													173.0	502.5	494.5		456.5	487.5
84			1.75(105)																		
85	1905	28	1.0(60)	2S2P	1300	1500×2700	2500×3150	1505	995	1412		1130	95	1730		88.0x2sets	399.0	391.0	137.5	353.0	384.0
86			1.5(90)													176.0	503.5	495.5		456.5	488.0
87			1.75(105)																		
88	1975	29	1.0(60)	2PC0	1100	2000×2100	2900×2500	1610	1290	1040		1335	—	2140		90.25x2sets	400.5	392.0	141.0	353.5	384.5
89			1.5(90)													180.5	504.5	496.5		456.5	488.5
90			1.75(105)																		

Notes
- Above tables shows the dimensions on the following conditions
  (1) Single elevator in hoistway (2) Without counterweight safety
  (3) With fire rated door
  Please consult Hitachi or local agent if other specifications are required.

*1 ( ) : Travel distance > 60m
*2 Rated speed 1.0m/s : Travel distance ≤ 60m
Rated speed 1.5 , 1.75m/s : Travel distance ≤ 80m
Rated speed 2.0 , 2.5m/s : Travel distance ≤ 120m
*3 The pit reaction loading differs depending on the specifications and design, please consult Hitachi or local agent.

■Based on Hitachi standard for India

No.	Load [kg]	Persons	Rated speed [m/s] (m/min)	Door type	Door OP width W [mm]	Car internal size A × B [mm]	Hoistway X × Y [mm] *1	Location [mm] X3	X4 *1	C *2	D	E	F	RGC	RGW	Pit reaction loading *3*4 [kN] Car side RC1	RC2	RC3	Counterweight side RW1	RW2	RW3
1	612	9	1.0(60)	2PC0	800	1100×1400	1900×1800	1000	900	680 [690]	530	845	—	1330	800	71.5	34.0	28.0	59.5	16.0	25.0
2			1.5(90)														37.5	31.0		18.5	28.0
3			1.75(105)																		
4			1.0(60)			1400×1100	2050×1700 (2100×1700)	1105	945 (995)	635 [645]		950		1540		71.0	34.0	27.5	59.0	15.5	25.0
5			1.5(90)														37.5	31.0		18.5	27.5
6			1.75(105)																		
7	748	11	1.0(60)			1350×1400	2150×1800	1150	1000	680 [690]		970		1580		79.5		30.0	64.0	16.5	27.0
8			1.5(90)														41.0	33.5		19.0	29.5
9			1.75(105)																		
10			2.0(120)				2250×2000	1235	1015	705 [715]	640	1030			900	97.0	64.5	54.5	81.5	35.5	52.5
11			2.5(150)																		
12	884	13	1.0(60)			1100×2000	1900×2400	1010	890	980 [990]	530	845		1330	800	90.5	41.0	33.0	72.5	17.0	28.5
13			1.5(90)														44.5	36.0		19.5	31.5
14			1.75(105)																		
15			2.0(120)				2050×2400	1130	920		640	905			900	110.5	69.0	57.5	92.0	36.0	55.0
16			2.5(150)																		
17			1.0(60)	2S2P	900		1900×2450	1110	790	1057 [1062]	530	845	95		800	90.5	41.0	33.0	72.5	17.0	28.5
18			1.5(90)														44.5	36.0		19.5	31.5
19			1.75(105)																		
20			2.0(120)				2000×2450	1205	795		640	905			900	110.5	69.0	57.5	92.0	36.0	55.0
21			2.5(150)																		
22			1.0(60)	2PC0		1500×1450	2200×1850	1175	1025	705 [715]	530	1000	—	1640	800	90.5	41.0	33.0	72.5	17.0	28.5
23			1.5(90)														44.5	36.0		19.5	31.5
24			1.75(105)																		
25			2.0(120)				2350×2000	1285	1065		640	1060			900	108.5	68.0	57.0	90.0	36.0	54.5
26			2.5(150)																		
27			1.0(60)			1600×1350	2350×1750 (2400×1750)	1315	1035 (1085)	655 [665]	530	1105		1740	800	91.5	41.0	33.0	73.5	17.0	27.0
28			1.5(90)														44.5	36.5		19.5	32.0
29			1.75(105)																		
30			2.0(120)				2450×2000	1335	1115	705 [715]	640	1110			900	110.5	69.0	57.5	92.0	36.0	55.0
31			2.5(150)																		
32	952	14	1.0(60)			1100×2100	2000×2500	1005	995	1030 [1040]	530	845		1330	800	94.5	42.5	34.0	76.0	17.5	29.5
33			1.5(90)													95.5	46.0	37.5	77.0	20.0	32.5
34			1.75(105)																		
35			2.0(120)				2150×2500	1130	1020		640	905			900	113.0	69.5	58.5	93.5	36.5	55.0
36			2.5(150)																		
37			1.0(60)	2S2P	1000		1900×2550 (1950×2550)	1115	785 (835)	1107 [1112]	530	845	45		800	94.5	42.5	34.0	76.0	17.5	29.5
38			1.5(90)													95.5	46.0	37.5	77.0	20.0	32.5
39			1.75(105)																		
40			2.0(120)				2000×2550	1155	845		640	905			900	113.0	69.5	58.5	93.5	36.5	55.0
41			2.5(150)																		
42			1.0(60)	2PC0	900	1600×1400	2300×1800	1225	1075	680 [690]	530	1050	—	1740	800	94.0	42.0	34.0	75.0	17.5	29.5
43			1.5(90)														45.5	37.0		20.0	32.5
44			1.75(105)																		
45			2.0(120)				2450×2000	1335	1115	705 [715]	640	1110			900	113.0	69.5	58.5	93.5	36.5	55.0
46			2.5(150)																		
47	1020	15	1.0(60)	2S2P		1000×2400	1800×2850	1015	785	1257 [1262]	530	795	45	1230	800	99.5	44.0	35.5	79.0	17.5	30.5
48			1.5(90)														47.5	38.5		20.0	33.5
49			1.75(105)																		
50			2.0(120)				1900×2850	1105	795		640	855			900	121.5	72.5	60.5	100.5	37.0	57.0
51			2.5(150)																		
52			1.0(60)	2PC0		1600×1500	2300×1900	1225	1075	730 [740]	530	1050	—	1740	800	97.5	43.0	35.0	77.0	17.5	30.0
53			1.5(90)														46.5	38.0		20.0	33.0
54			1.75(105)																		
55			2.0(120)				2450×2000	1335	1115		640	1110			900	121.5	72.5	60.5	100.5	37.0	57.0
56			2.5(150)																		

Notes
- Above tables shows the dimensions on the following conditions
  (1) Single elevator in hoistway (2) Without counterweight safety
  Please consult Hitachi or local agent if other specifications are required.

*1 ( ) : Travel distance > 60m
*2 [ ] : With fire rated door
*3 Rated speed 1.0m/s : Travel distance ≤ 60m
Rated speed 1.5 , 1.75m/s : Travel distance ≤ 80m
Rated speed 2.0 , 2.5m/s : Travel distance ≤ 120m
*4 The pit reaction loading differs depending on the specifications and design, please consult Hitachi or local agent.

Dimension of Hoistway and Pit Reaction Loading

Dimension and reaction loading of hoistway

■Based on Hitachi standard for India

No.	Load [kg]	Persons	Rated speed [m/s] (m/min)	Door type	Door OP width W [mm]	Car internal size A × B [mm]	Hoistway X × Y [mm] *1	Location [mm] X3	X4 *1	C *2	D	E	F	RGC	RGW	Pit reaction loading *3*4 [kN] Car side RC1	RC2	RC3	Counterweight side RW1	RW2	RW3
57	1156	17	1.0(60)	2PC0	1000	1600×1700	2400×2100	1295	1105	830 [840]	640	1110	—	1740	900	117.0	55.5	44.5	93.5	24.0	39.5
58			1.5(90)														60.5	49.0		28.0	44.0
59			1.75(105)																		
60			2.0(120)				2450×2100	1330	1120							127.0	74.5	62.0	103.5	37.5	58.0
61			2.5(150)																		
62			1.0(60)			1800×1500	2600×2000	1390	1210	730 [740]		1210		1940		117.0	54.5	44.0	94.5	23.5	39.0
63			1.5(90)													121.0	61.5	50.0	98.5	28.0	44.5
64			1.75(105)																		
65			2.0(120)				2650×2000	1435	1215							127.0	74.5	62.0	103.5	37.5	58.0
66			2.5(150)																		
67	1224	18	1.0(60)	2S2P	1100	1200×2300	2100×2750	1210	890	1207 [1212]		955	45	1430		121.5	57.0	45.5	97.0	24.5	40.5
68			1.5(90)														62.0	50.5		28.0	44.5
69			1.75(105)																		
70			2.0(120)				2150×2750	1235	915							135.5	77.0	64.0	110.5	38.0	60.0
71			2.5(150)																		
72			1.0(60)	2PC0		2000×1400	2800×1950	1495	1305	680 [690]		1310	—	2140		123.5	57.5	46.0	98.5	24.5	40.5
73			1.5(90)														62.5	51.0		28.5	45.0
74			1.75(105)																		
75			2.0(120)				2850×2000	1535	1315	705 [715]						135.5	77.0	64.0	110.5	38.0	60.0
76			2.5(150)																		
77	1292	19	1.0(60)		1000	1300×2300	2250×2700	1170	1080	1130 [1140]		1005		1530		128.5	59.0	47.5	102.5	25.0	41.5
78			1.5(90)														64.0	52.0		28.5	46.0
79			1.75(105)																		
80			2.0(120)				2350×2700	1230	1120							138.0	78.0	64.5	112.0	38.0	60.0
81			2.5(150)																		
82			1.0(60)	2S2P	1100		2200×2750	1290	910	1207 [1212]			95			128.5	59.0	47.5	102.5	25.0	41.5
83			1.5(90)														64.0	52.0		28.5	46.0
84			1.75(105)																		
85			2.0(120)					1305	895							138.0	78.0	64.5	112.0	38.0	60.0
86			2.5(150)																		
87			1.0(60)			2000×1500	2800×2000	1495	1305	730 [740]		1310		2140		128.5	59.0	47.5	102.5	25.0	41.5
88			1.5(90)														64.0	52.0		28.5	46.0
89			1.75(105)																		
90			2.0(120)				2850×2000	1535	1315							138.0	78.0	64.5	112.0	38.0	60.0
91			2.5(150)																		
92	1360	20	1.0(60)		1000	1800×1700	2600×2100	1395	1205	830 [840]		1210		1940		65.5x2sets	60.0	48.0	103.5	25.0	42.0
93			1.5(90)														65.0	52.5		29.0	46.5
94			1.75(105)													131.0					
95			2.0(120)				2650×2100	1435	1215							141.0	78.5	65.5	113.5	38.5	60.5
96			2.5(150)																		
97			1.0(60)		1100	2000×1550	2800×2050	1495	1305	755 [765]		1310	—	2140		66.25x2sets	60.0	48.0	105.0	24.5	42.0
98			1.5(90)														65.0	53.5		28.5	46.0
99			1.75(105)													132.5					
100			2.0(120)				2850×2050	1535	1315							141.0	78.5	65.5	113.5	38.5	60.5
101			2.5(150)																		
102	1428	21	1.0(60)		1000	1800×1750	2600×2150	1395	1205	855 [865]		1210		1940		67.75x2sets	61.0	49.0	106.5	25.0	42.5
103			1.5(90)														66.5	54.0		29.0	47.0
104			1.75(105)													135.5					
105			2.0(120)				2650×2150	1435	1215							151.5	82.0	68.0	122.5	39.0	63.0
106			2.5(150)																		
107	1496	22	1.0(60)		1100	1400×2400	2500×2800	1245	1255	1180 [1190]		1055		1630		71.5x2sets	63.5	50.5	113.5	25.5	44.0
108			1.5(90)													72.5x2sets	69.5	56.0	115.5	29.5	49.0
109			1.75(105)													145.0					
110			2.0(120)					1255	1245							154.0	82.5	68.5	124.0	39.5	63.0
111			2.5(150)																		

Notes
- Above tables shows the dimensions on the following conditions
  (1) Single elevator in hoistway (2) Without counterweight safety
  Please consult Hitachi or local agent if other specifications are required.

*1 ( ) : Travel distance > 60m
*2 [ ] : With fire rated door
*3 Rated speed 1.0m/s : Travel distance ≤ 60m
Rated speed 1.5 , 1.75m/s : Travel distance ≤ 80m
Rated speed 2.0 , 2.5m/s : Travel distance ≤ 120m
*4 The pit reaction loading differs depending on the specifications and design, please consult Hitachi or local agent.

■Based on Hitachi standard for India

No.	Load [kg]	Persons	Rated speed [m/s] (m/min)	Door type	Door OP width W [mm]	Car internal size A × B [mm]	Hoistway X × Y [mm] *1	Location [mm] X3	X4 *1	C *2	D	E	F	RGC	RGW	Pit reaction loading *3*4 [kN] Car side RC1	RC2	RC3	Counterweight side RW1	RW2	RW3
112	1496	22	1.0(60)	2S2P	1200	1400×2400	2300×2850	1355	945	1257 [1262]	640	1055	95	1630	900	71.5x2sets	63.5	50.5	113.5	25.5	44.0
113			1.5(90)													72.5x2sets	69.5	56.0	115.5	29.5	49.0
114			1.75(105)													145.0					
115			2.0(120)													154.0	82.5	68.5	124.0	39.5	63.0
116			2.5(150)																		
117	1564	23	1.0(60)	2PC0	1100	2000×1750	2800×2150	1495	1305	855 [865]		1310	—	2140		75.0x2sets	66.0	52.5	118.5	26.0	45.5
118			1.5(90)														71.0	57.5		30.0	50.0
119			1.75(105)													150.0					
120			2.0(120)				2850×2150	1535	1315							156.5	83.5	69.5	125.0	39.5	63.5
121			2.5(150)																		
122	1632	24	1.0(60)			2000×1800	2800×2200	1495	1305	880 [890]						77.75x2sets	67.5	54.0	122.5	26.5	46.5
123			1.5(90)														72.5	58.5		30.5	50.5
124			1.75(105)													155.5					
125			2.0(120)				2850×2200	1535	1315							159.5	84.5	70.0	126.5	39.5	64.0
126			2.5(150)																		
127			1.0(60)			2100×1700	2900×2100	1540	1360	830 [840]		1360		2240		79.5x2sets	69.0	55.0		26.5	47.0
128			1.5(90)														74.0	59.5		30.5	51.5
129			1.75(105)													159.0					
130			2.0(120)				2950×2100	1585	1365							159.5	84.5	70.0		39.5	64.0
131			2.5(150)																		
132	1768	26	1.0(60)	2S2P	1200	1500×2500	2500×2950	1555	945	1307 [1312]		1130	145	1730		84.25x2sets	65.0	57.5	133.0	34.5	50.5
133			1.5(90)														70.0	62.0		38.5	55.0
134			1.75(105)													168.5					
135	1904	28	1.0(60)		1300	1500×2700	2500×3150	1505	995	1407 [1412]			95			88.0x2sets	67.0	59.0	137.5	35.5	52.0
136			1.5(90)														72.0	64.0		39.5	56.5
137			1.75(105)													176.0					
138			1.0(60)	2PC0	1100	2000×2000	2900×2400	1610	1290	980 [990]		1335	—	2140		88.0x2sets	67.0	59.0		35.5	52.0
139			1.5(90)														72.0	64.0		39.5	56.5
140			1.75(105)													176.0					

Notes
- Above tables shows the dimensions on the following conditions
  (1) Single elevator in hoistway (2) Without counterweight safety
  Please consult Hitachi or local agent if other specifications are required.

*1 ( ) : Travel distance > 60m
*2 [ ] : With fire rated door
*3 Rated speed 1.0m/s : Travel distance ≤ 60m
Rated speed 1.5 , 1.75m/s : Travel distance ≤ 80m
Rated speed 2.0 , 2.5m/s : Travel distance ≤ 120m
*4 The pit reaction loading differs depending on the specifications and design, please consult Hitachi or local agent.

Dimension of Hoistway and Pit Reaction Loading

Dimension and reaction loading of hoistway

■Based on SS550

No.	Load [kg]	Persons	Rated speed [m/s] (m/min)	Door type	Door OP width W [mm]	Car internal size A × B [mm]	Hoistway X × Y [mm] *1	Location [mm] X3	X4 *1	C *2	D	E	F	RGC	RGW	Pit reaction loading *3*4 [kN] Car side RC1	RC2	RC3	Counterweight side RW1	RW2	RW3
1	600	8	1.0(60)	2PCO	800	1100×1400	1950×1850	1035	915	680 [690]	530	845	—	1330	800	71.5	35.0	28.0	59.0	16.0	25.5
2			1.5(90)														38.5	31.5		18.5	28.5
3			1.75(105)																		
4			1.0(60)			1400×1100	2150×1750	1150	1000	635 [645]		950		1540			35.0	28.0		16.0	25.5
5			1.5(90)														38.5	31.5		18.5	28.5
6			1.75(105)																		
7	750	11	1.0(60)		900	1350×1400	2200×1850	1175	1025	680 [690]		970		1580		78.0	37.0	30.0	63.0	16.5	26.5
8			1.5(90)														40.5	33.0		19.0	29.5
9			1.75(105)																		
10			2.0(120)				2300×2050	1260	1040	705 [715]	640	1030			900	101.0	66.0	55.5	85.5	35.5	53.0
11			2.5(150)																		
12	885	13	1.0(60)			1500×1450	2250×1900	1200	1050		530	1000		1640	800	90.5	41.0	33.0	72.5	17.0	28.5
13			1.5(90)														44.5	36.0		19.5	31.5
14			1.75(105)																		
15			2.0(120)				2400×2050	1310	1090		640	1060			900	108.5	68.0	57.0	90.0	36.0	54.5
16			2.5(150)																		
17			1.0(60)			1600×1350	2450×1800	1355	1095	655 [665]	530	1105		1740	800	91.5	38.0	33.5	73.5	21.0	28.5
18			1.5(90)														41.0	36.5		24.0	31.5
19			1.75(105)																		
20			2.0(120)				2500×2050	1360	1140	705 [715]	640	1110			900	108.5	68.0	57.0	90.0	36.0	54.5
21			2.5(150)																		
22	900		1.0(60)	2S2P		1100×2000	1950×2500	1135	815	1057 [1062]	530	845	95	1330	800	91.0	41.0	33.0	73.0	17.0	29.0
23			1.5(90)														44.5	36.5		20.0	32.0
24			1.75(105)																		
25			2.0(120)				2050×2500	1230	820		640	905			900	111.0	69.0	58.0	92.5	36.0	55.0
26			2.5(150)																		
27			1.0(60)	2PCO		1600×1400	2350×1850	1250	1100	680 [690]	530	1050	—	1740	800	92.0	41.5	33.5	74.0	17.0	29.0
28			1.5(90)														45.0	36.5		20.0	32.0
29			1.75(105)																		
30			2.0(120)				2500×2050	1360	1140	705 [715]	640	1110			900	111.0	69.0	58.0	92.5	36.0	55.0
31			2.5(150)																		
32	950	14	1.0(60)	2S2P	1000	1100×2100	2000×2600	1140	860	1107 [1112]	530	845	45	1330	800	93.0	42.0	33.5	75.0	17.5	29.5
33			1.5(90)														45.5	37.0		20.0	32.0
34			1.75(105)																		
35			2.0(120)				2050×2600	1180	870		640	905			900	113.0	69.5	58.5	93.5	36.5	55.0
36			2.5(150)																		
37	1020	15	1.0(60)	2PCO	900	1600×1550	2350×2000	1250	1100	755 [765]	530	1050	—	1740	800	99.5	44.0	35.5	79.0	17.5	30.5
38			1.5(90)														47.5	38.5		20.0	33.5
39			1.75(105)																		
40			2.0(120)				2500×2100	1360	1140		640	1110			900	115.5	70.5	59.0	95.0	36.5	55.5
41			2.5(150)																		
42	1150	17	1.0(60)	2S2P	1100	1200×2300	2150×2800	1235	915	1207 [1212]		955	45	1430		118.5	56.0	45.0	95.5	24.0	40.0
43			1.5(90)														61.0	49.5		28.0	44.5
44			1.75(105)																		
45			2.0(120)				2200×2800	1260	940							126.5	74.0	62.0	103.5	37.5	58.0
46			2.5(150)																		
47			1.0(60)	2PCO	1000	1600×1700	2450×2150	1320	1130	830 [840]		1110	—	1740		116.5	55.5	44.5	93.5	24.0	39.5
48			1.5(90)														60.5	49.0		28.0	44.0
49			1.75(105)																		
50			2.0(120)				2500×2150	1355	1145							126.5	74.0	62.0	103.5	37.5	58.0
51			2.5(150)																		
52			1.0(60)			1800×1500	2650×2050	1420	1230	730 [740]		1210		1940		116.0	55.0	44.0	92.5	24.0	39.5
53			1.5(90)														60.0	49.0		28.0	43.5
54			1.75(105)																		
55			2.0(120)				2700×2050	1460	1240							126.5	74.0	62.0	103.5	37.5	58.0
56			2.5(150)																		

Notes
- Above tables shows the dimensions on the following conditions
  (1) Single elevator in hoistway (2) Without counterweight safety
  Please consult Hitachi or local agent if other specifications are required.

*1 ( ) : Travel distance > 60m
*2 [ ] : With fire rated door
*3 Rated speed 1.0m/s : Travel distance ≤ 60m
Rated speed 1.5 , 1.75m/s : Travel distance ≤ 80m
Rated speed 2.0 , 2.5m/s : Travel distance ≤ 120m
*4 The pit reaction loading differs depending on the specifications and design, please consult Hitachi or local agent.

■Based on SS550

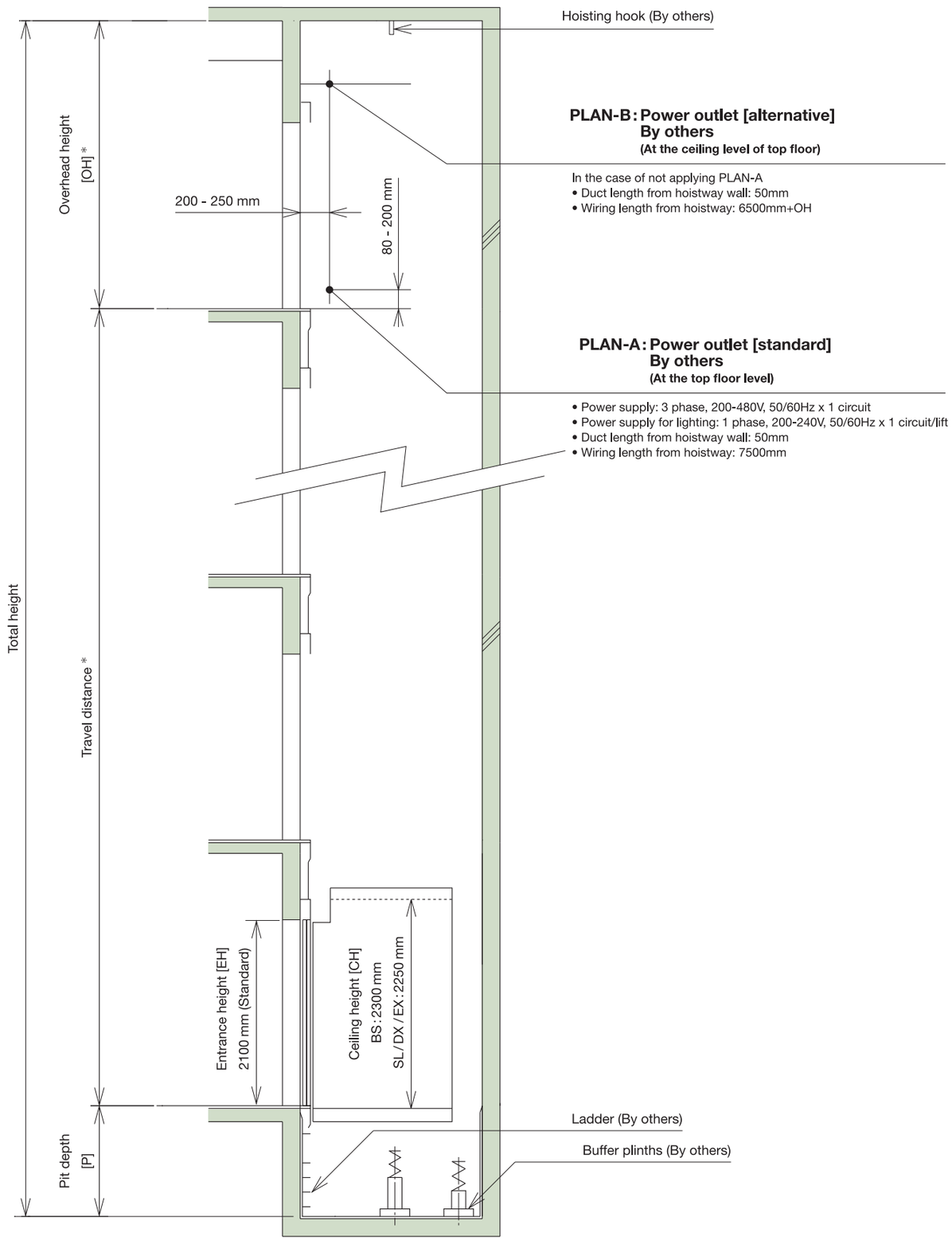
No.	Load [kg]	Persons	Rated speed [m/s] (m/min)	Door type	Door OP width W [mm]	Car internal size A × B [mm]	Hoistway X × Y [mm] *1	Location [mm] X3	X4 *1	C *2	D	E	F	RGC	RGW	Pit reaction loading *3*4 [kN] Car side RC1	RC2	RC3	Counterweight side RW1	RW2	RW3
57	1200	17	1.0(60)	2PCO	1100	2000×1400	2850×2000	1520	1330	680 [690]	640	1310	—	2140	900	122.5	57.0	46.0	98.0	24.5	40.5
58			1.5(90)														62.5	50.5		28.5	45.0
59			1.75(105)																		
60			2.0(120)				2900×2050	1560	1340	705 [715]						134.5	77.0	63.5	110.0	38.0	59.5
61			2.5(150)																		
62	1290	19	1.0(60)	2S2P		1300×2300	2250×2800	1315	935	1207 [1212]		1005	95	1530		128.5	59.0	47.5	102.5	25.0	41.5
63			1.5(90)														64.0	52.0		28.5	46.0
64			1.75(105)																		
65			2.0(120)					1330	920							138.0	78.0	64.5	112.0	38.0	60.0
66			2.5(150)																		
67	1350	20	1.0(60)	2PCO	1000	1800×1750	2650×2200	1420	1230	855 [865]		1210	—	1940		66.25x2sets	60.5	48.5	105.0	25.0	42.5
68			1.5(90)													132.5	65.5	53.0		29.0	46.5
69			1.75(105)																		
70			2.0(120)				2700×2200	1460	1240							140.5	78.5	65.0	113.0	38.5	60.5
71			2.5(150)																		
72			1.0(60)		1100	2000×1550	2850×2100	1520	1330	755 [765]		1310		2140		66.25x2sets	60.5	48.5	105.0	25.0	42.5
73			1.5(90)													132.5	65.5	53.0		29.0	46.5
74			1.75(105)																		
75			2.0(120)				2900×2100	1560	1340							140.5	78.5	65.0	113.0	38.5	60.5
76			2.5(150)																		
77	1500	22	1.0(60)	2S2P	1200	1400×2400	2350×2900	1365	985	1257 [1262]		1055	95	1630		72.0x2sets	64.0	51.5	114.0	26.0	44.5
78			1.5(90)													144.0	69.0	56.0		29.5	48.5
79			1.75(105)																		
80			2.0(120)					1380	970							154.0	83.0	68.5	124.0	39.5	63.0
81			2.5(150)																		
82	1565	23	1.0(60)	2PCO	1100	2000×1750	2850×2200	1520	1330	855 [865]		1310	—	2140		75.0x2sets	66.0	53.0	118.5	26.0	45.5
83			1.5(90)													150.0	71.0	57.5		30.0	50.0
84			1.75(105)																		
85			2.0(120)				2900×2200	1560	1340							156.5	83.5	69.5	125.0	39.5	63.5
86			2.5(150)																		
87	1630	24	1.0(60)			2000×1800	2850×2250	1520	1330	880 [890]						77.75x2sets	67.5	54.0	122.5	26.5	46.5
88			1.5(90)													155.5	72.5	58.5		30.5	50.5
89			1.75(105)																		
90			2.0(120)				2900×2250	1560	1340							161.0	85.0	70.5	128.5	39.5	64.5
91			2.5(150)																		
92			1.0(60)			2100×1700	2950×2150	1570	1380	830 [840]		1360		2240		76.5x2sets	66.5	53.0	120.5	26.5	46.0
93			1.5(90)													153.0	71.5	58.0		30.5	50.0
94			1.75(105)																		
95			2.0(120)				3000×2150	1610	1390							159.0	84.0	69.5	126.5	39.5	64.0
96			2.5(150)																		
97	1700	25	1.0(60)	2S2P	1200	1500×2500	2550×3000	1580	970	1307 [1312]		1130	145	1730		83.0x2sets	64.5	56.5	131.5	34.5	50.5
98			1.5(90)													166.0	69.0	61.5		38.5	54.5
99			1.75(105)																		
100	1835	27	1.0(60)	2PCO	1100	2000×2000	2950×2450	1635	1315	980 [990]		1335	—	2140		86.5x2sets	66.5	58.5	136.5	35.0	51.5
101			1.5(90)													173.0	71.0	63.0		39.0	56.0
102			1.75(105)																		
103	1905	28	1.0(60)	2S2P	1300	1500×2700	2550×3200	1530	1020	1407 [1412]		1130	95	1730		88.0x2sets	67.0	59.0	137.5	35.5	52.0
104			1.5(90)													176.0	72.0	64.0		39.5	56.5
105			1.75(105)																		
106	2000	29	1.0(60)	2PCO	1100	2000×2100	2950×2550	1635	1315	1030 [1040]		1335	—	2140		90.75x2sets	68.5	60.5	141.5	36.0	53.0
107			1.5(90)													181.5	73.5	65.5		40.0	57.5
108			1.75(105)																		

Notes
- Above tables shows the dimensions on the following conditions
  (1) Single elevator in hoistway (2) Without counterweight safety
  Please consult Hitachi or local agent if other specifications are required.

*1 ( ) : Travel distance > 60m
*2 [ ] : With fire rated door
*3 Rated speed 1.0m/s : Travel distance ≤ 60m
Rated speed 1.5 , 1.75m/s : Travel distance ≤ 80m
Rated speed 2.0 , 2.5m/s : Travel distance ≤ 120m
*4 The pit reaction loading differs depending on the specifications and design, please consult Hitachi or local agent.

Overhead Height and Pit Depth

Hoistway section



* If total number of floors is 2, please consult Hitachi or local agent about minimum travel distance and overhead height.

■Dimensions for overhead height, pit depth and other specifications

Standard overhead height : OH *1 *2 *3 [mm]

No.	Rated speed [m/s] (m/min)	Hitachi standard Hitachi standard for India			EN81-20/50 SASO-EN81-20/50			Malaysian regulations		
		Load ≤ 1050kg	Load ≥ 1150kg	Load > 1600kg	Load ≤ 1050kg	Load ≥ 1150kg	Load > 1600kg	Load ≤ 1050kg	Load ≥ 1150kg	Load > 1635kg
1	1.0(60)	3750 (3870)	4150 (4270)	4300 (4420)	4150 (4270)	4250 (4370)	4300 (4420)	4200(4320)	4300(4420)	4350(4470)
2	1.5(90)							4400(4520)	4400(4520)	4400(4520)
3	1.75(105)	4050(4170)	4350(4470)	4350(4470)	4350(4470)	4350(4470)	4350(4470)	4450(4570)	4450(4570)	4450(4570)
4	2.0(120)	4600(4600)	4600(4600)	–	4600(4600)	4600(4600)	–	5600(5720)	5600(5720)	–
5	2.5(150)	4700(4700)	4700(4700)		4700(4700)	4700(4700)		5750(5870)	5750(5870)	

No.	Rated speed [m/s] (m/min)	SS550		
		Load ≤ 1050kg	Load ≥ 1150kg	Load > 1630kg
1	1.0(60)	3950(4070)	4150(4270)	4300(4420)
2	1.5(90)	4150(4270)	4400(4520)	4400(4520)
3	1.75(105)	4300(4420)	4500(4620)	4500(4620)
4	2.0(120)	5500(5620)	5500(5620)	–
5	2.5(150)	5650(5770)	5650(5770)	

Minimum pit depth : P *4 [mm]

No.	Rated speed [m/s] (m/min)	Hitachi standard Hitachi standard for India EN81-20/50 SASO-EN81-20/50			Malaysian regulations			SS550		
		Load ≤ 1050kg	Load ≥ 1150kg	Load > 1600kg	Load ≤ 1050kg	Load ≥ 1150kg	Load > 1635kg	Load ≤ 1050kg	Load ≥ 1150kg	Load > 1630kg
1	1.0(60)	1350	1600	1650	1500	1750	1750	1500	1750	1900
2	1.5(90)				1600	1850	1900	1600	1900	2050
3	1.75(105)	1450	1700	1800	1650	1950	2000	1650	2100	2250
4	2.0(120)	2000	2300	–	2050(2000)	2300	–	2050(2000)	2300	–
5	2.5(150)	2050	2350		2150(2050)	2350		2200(2050)	2350	

Others

No.	Rated speed [m/s] (m/min)	Maximum number of stops	Maximum travel distance [m]
1	1.0(60)	24	60
2	1.5(90)	32	80
3	1.75(105)		
4	2.0(120)	36	120
5	2.5(150)		

Notes
- Above tables shows the dimensions based on standard specifications.
  Please consult Hitachi or local agent if other specifications are required.

■Rated Speed 1.75m/s or less

*1 ( ) : SL/DX/EX series ceiling
*2 Travel distance ≤ 30m
30m < Travel distance ≤ 60m : Above overhead height + 50mm
60m < Travel distance ≤ 80m : Above overhead height + 100mm
*3 Overhead height will be increased accordingly if either EH or CH increases.
*4 Travel distance ≤ 45m
LOAD ≤ 1050kg 45m < Travel distance ≤ 60m : Above pit depth + 50mm
60m < Travel distance : Above pit depth + 200mm
LOAD ≥ 1150kg 45m < Travel distance : Above pit depth + 50mm

■Rated Speed 2.0m/s or 2.5m/s

*1 ( ) : SL/DX/EX series ceiling
*2 30m ≤ Travel distance ≤ 45m
45m < Travel distance ≤ 80m : Above overhead height + 50mm
80m < Travel distance ≤ 120m : Above overhead height + 100mm
*3 Overhead height will be increased accordingly if either EH or CH increases.
*4 For SS550 and Malaysian regulations, ( ) : Travel distance ≤ 60m

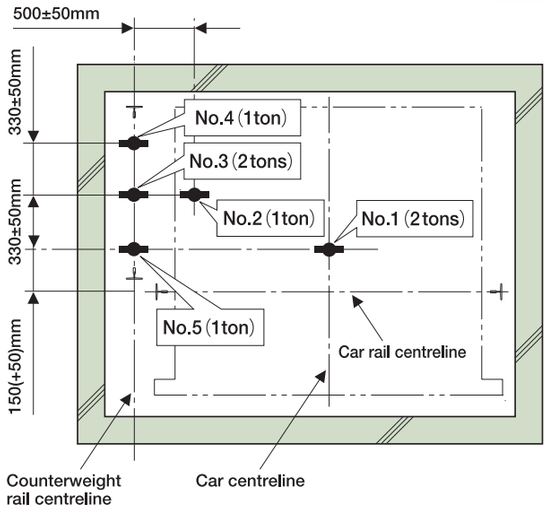
Location of hoisting hook and hoisting beam

If the hoistway is made of reinforced concrete, hoisting hooks (installed by other contractors) are required at the top of the hoistway. If the hoistway is a steel structure, hoisting beams (installed by other contractors) are required at the top of the hoistway. The details of the hoisting hook and hoisting beam mounting position are as follows:

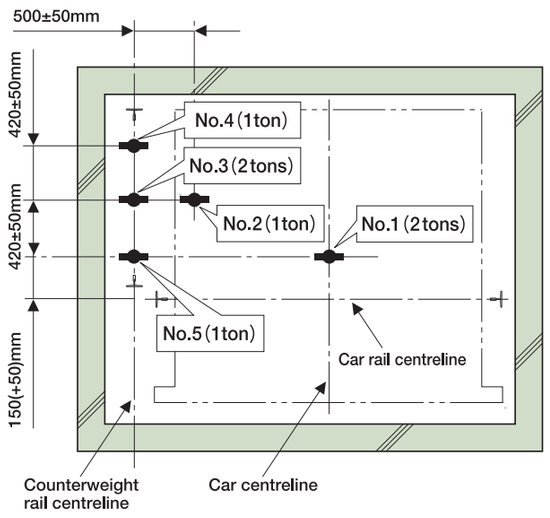
① Hoisting hooks

1.Rated Load ≤ 1050kg

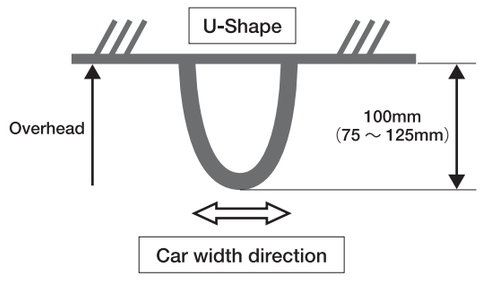
No.1 ～ 5 ●: hoisting hook position



2.Rated Load ＞ 1050kg



3. Orientation and size of Hoisting Hooks

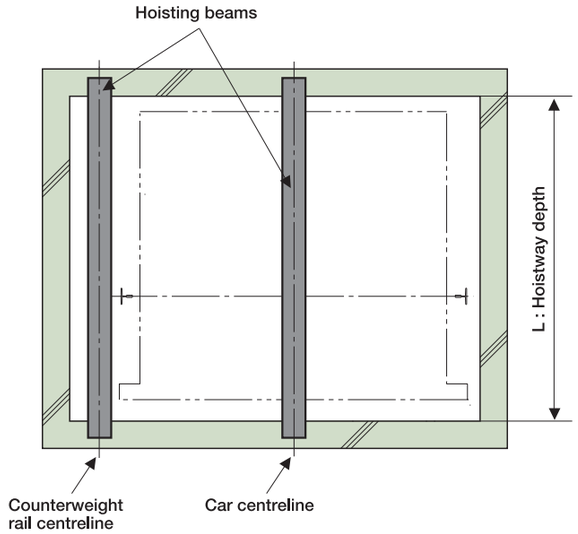


Notes
- The hoisting hooks should be orientated such that the U-shape is facing the hoistway landing entrance.
- This hoisting hook size is required to ensure that the hoisting equipment can fit in.

② Hoisting beams

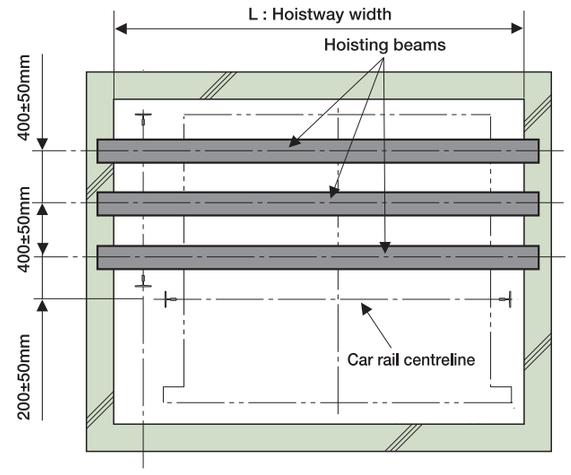
1. Hoisting beams layout (Standard)

Hoisting beams in the direction of car depth

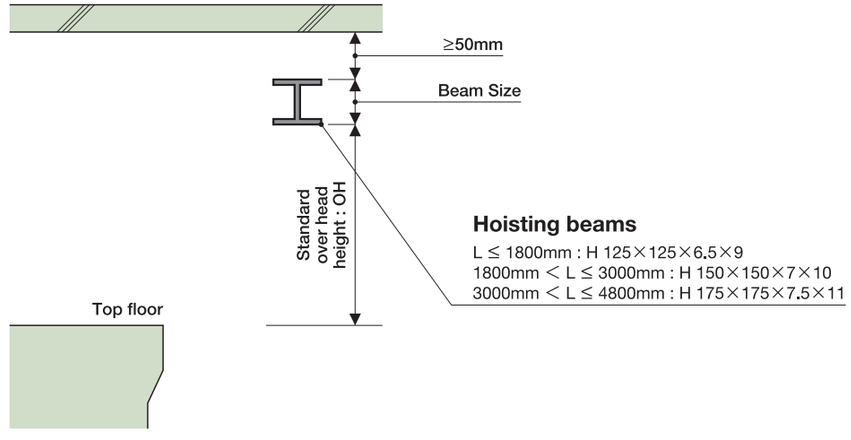


2. Hoisting beams layout (Alternative)

Hoisting beams in the direction of car width



3.Height of Hoisting beams



Required capacity of circuit breaker, transformer & starting power at building side

■Electrical Data

No.	Load [kg]	Rated speed [m/s] (m/min)	Motor capacity [kW]	Supply voltage [V]	Breaker capacity [A]			Transformer capacity [kVA]			Starting power [kVA]	Lead-in wire for drive [mm²]			Earth wire [mm²]	Calorific value [kcal/hr]
					1 unit	2 units	3 units	1 unit	2 units	3 units		1 unit	2 units	3 units		
1	451 ~ 630	1.0(60)	3.9	220-230	100	125	150	5	9	12	15	22.0	38	60	3.5	830
2				380-415	20	30	30					5.5	14	14	2.0	
3				440-480	50	75	100						8			
4		1.5(90)	5.8	220-230	100	125	150	6	11	15	20	22.0	60	60	3.5	1250
5				380-415	30	30	40					8.0	14	22	2.0	
6				440-480	50	75	100					5.5		14		
7		1.75(105)	6.8	220-230	100	125	150	7	12	17	23	38.0	60	100	3.5	1460
8				380-415	30	40	50					8.0	14	22	2.0	
9				440-480	50	75	100							14		
10	631 ~ 750	1.0(60)	4.6	220-230	100	125	150	5	9	12	16	22.0	38	60	3.5	990
11				380-415	20	30	40					5.5	14	14	2.0	
12				440-480	50	75	100						8			
13		1.5(90)	6.9	220-230	100	125	150	7	12	17	23	38.0	60	100	3.5	1490
14				380-415	30	40	50	6	11	15		8.0	14	22	2.0	
15				440-480	50	75	100	7	12	17				14		
16		1.75(105)	8.1	220-230	100	125	150				26	38.0	60	100	3.5	1730
17				380-415	40	40	50					14.0	22	22		
18				440-480	50	75	100					8.0	14			
19	748 ~ 750	2.0(120)	11.0	220-230	175	200	250	14	26	36	44	60.0	150	150(114m)*1	5.5	1980
20				380-415	40	50	75					22.0	38	60	3.5	
21				440-480	100	100	150					14.0	22	38		
22		2.5(150)	13.0	220-230	175	200	250	16	30	41	50	100.0	150(138m)*1	150(98m)*1	5.5	2470
23				380-415	50	60	100					22.0	38	60	3.5	
24				440-480	100	100	150					14.0		38		
25	751 ~ 900	1.0(60)	5.6	220-230	100	125	150	6	11	15	19	22.0		60		1190
26				380-415	30	30	40					8.0	14	22	2.0	
27				440-480	50	75	100					5.5		14		
28		1.5(90)	8.3	220-230	100	125	150	8	14	19	27	38.0	60	100	3.5	1780
29				380-415	40	40	50	7	12	17		14.0	22	38		
30				440-480	50	75	100	8	14	19		8.0	14	22		
31		1.75(105)	9.7	220-230	100	125	150	10	17	24	30	38.0	100	150	5.5	2080
32				380-415	40	40	60	9	16	22		14.0	22	38	3.5	
33				440-480	50	75	100	10	17	24		8.0	14	22		
34		2.0(120)	12.0	220-230	175	200	250	15	28	39	47	100.0	150(148m)*1	150(106m)*1	5.5	2380
35				380-415	50	60	75					22.0	38	60	3.5	
36				440-480	100	100	150					14.0		38		
37		2.5(150)	15.0	220-230	175	200	250	18	33	46	57	100.0	150(121m)*1	150(86m)*1	5.5	2970
38				380-415	50	75	100					22.0	60	60	3.5	
39				440-480	100	100	150						38			
40	901 ~ 1050	1.0(60)	6.5	220-230		125		7	12	17	22	38.0	60	100		1390
41				380-415	30	40	40					8.0	14	22	2.0	
42				440-480	50	75	100					5.5		14		
43		1.5(90)	9.7	220-230	100	125	150	9	16	22	30	38.0	100	150	5.5	2080
44				380-415	40	40	60	8	14	19		14.0	22	38	3.5	
45				440-480	50	75	100	9	16	22		8.0	14	22		
46		1.75(105)	11.7	220-230	100	125	150	10	17	24	36	60.0	100	150	5.5	2430
47				380-415	40	50	75					14.0	38	38	3.5	
48				440-480	50	75	100						22			
49		2.0(120)	13.0	220-230	175	200	250	16	30	41	50	100.0	150(138m)*1	150(98m)*1	5.5	2770
50				380-415	50	60	100					22.0	38	60	3.5	
51				440-480	100	100	150					14.0		38		
52		2.5(150)	17.0	220-230	175	200	250	20	37	51	64	100.0	150(108m)*1	150(77m)*1	5.5	3460
53				380-415	60	75	100					38.0	60	100		
54				440-480	100	100	150					22.0	38	60		
55	1051 ~ 1150	1.0(60)	7.1	220-230		125		7	12	17	23	38.0	60	100	3.5	1520
56				380-415	40	40	50					8.0	14	22		
57				440-480	50	75	100								2.0	
58		1.5(90)	11.0	220-230	100	125	150	10	17	24	34	60.0	100	150	5.5	2280
59				380-415	40	50	75	9	16	22		14.0	22	38	3.5	
60				440-480	50	75	100	10	17	24				22		

Notes
- Maximum length of lead-in wire is 150m, maximum lead-in wire size is 150mm².
*1 ( ) : Maximum length of lead-in wire with 150mm².
*2 Please consult Hitachi or local agent about maximum size and maximum length of lead-in wire.

■Electrical Data

No.	Load [kg]	Rated speed [m/s] (m/min)	Motor capacity [kW]	Supply voltage [V]	Breaker capacity [A]			Transformer capacity [kVA]			Starting power [kVA]	Lead-in wire for drive [mm²]			Earth wire [mm²]	Calorific value [kcal/hr]
					1 unit	2 units	3 units	1 unit	2 units	3 units		1 unit	2 units	3 units		
61	1051 ~ 1150	1.75(105)	13	220-230	100	125	150	11	19	26	40	60	100	150(146m)*1	5.5	2660
62				380-415	50	60	75					14	38	38	3.5	
63				440-480		75	100						22			
64		2.0(120)	15	220-230	175	200	250	18	33	46	57	100	150(121m)*1	150(86m)*1	5.5	3030
65				380-415	50	75	100					22	60	60	3.5	
66				440-480	100	100	150						38			
67		2.5(150)	18	220-230	175	200	250	21	39	54	68	150	150(102m)*1	150(73m)*1	5.5	3790
68				380-415	60	75	125					38	60	100		
69				440-480	100	100	150					22	38	60	3.5	
70	1151 ~ 1350	1.0(60)	8.3	220-230		125		8	14	19	27	38	60	100		1780
71				380-415	40	40	50	7	12	17		14	22	38		
72				440-480	50	75	100	8	14	19		8	14	22		
73		1.5(90)	13	220-230	100	125	150	11	19	26	40	60	100	150(146m)*1	5.5	2670
74				380-415	50	60	75					14	38	38	3.5	
75				440-480		75	100						22			
76		1.75(105)	15	220-230	100	125	150	12	21	29	45	60	150	150(128m)*1	5.5	3120
77				380-415	50	60	100					22	38	60	3.5	
78				440-480		75						14	22	38		
79		2.0(120)	17	220-230	175	200	250	20	37	51	64	100	150(108m)*1	150(77m)*1	5.5	3560
80				380-415	60	75	100					38	60	100		
81				440-480	100	100	150					22	38	60	3.5	
82		2.5(150)	21	220-230	175	200	250	25	46	64	78	150	150(88m)*1	150(63m)*1	5.5	4450
83				380-415	60	100	125	24	44	62		38	60	100		
84				440-480	100		150	25	46	64		22				
85	1351 ~ 1635	1.0(60)	10	220-230		125		9	16	22	31	38	100	150		2160
86				380-415	40	50	60					14	22	38	3.5	
87				440-480	50	75	100					8	14	22		
88		1.5(90)	15	220-230	100	125	150	12	21	29	45	60	150	150(128m)*1	5.5	3230
89				380-415	50	60	100					22	38	60	3.5	
90				440-480		75						14	22	38		
91		1.75(105)	18	220-230	100	125	150	15	26	36	53	100	150	150(109m)*1	5.5	3770
92				380-415	60	75	100	14	24	33		22	38	60		
93				440-480	50			15	26	36		14		38	3.5	
94		2.0(120)	20	220-230	175	200	250	25	46	64	78	150	150(88m)*1	150(63m)*1	5.5	4310
95				380-415	60	100	125	24	44	62		38	60	100		
96				440-480	100		150	25	46	64		22				
97		2.5(150)	25	220-230	175	200	250	30	55	77	95	150(131m)*1	150(72m)*1	*2	8.0	5390
98				380-415	75	125	150					38	100	150	5.5	
99				440-480	100	100							60	100		
100	1636 ~ 1800	1.0(60)	12	220-230	175	200	250	10	17	24	38	60	150	144(63m)*1		2380
101				380-415	50	50	75					14	38	38	3.5	
102				440-480	100	100	150						22			
103		1.5(90)	17	220-230	175	200	250	14	24	33	51	100	150(144m)*1	150(105m)*1	5.5	3560
104				380-415	60	75	100					22	38	60		
105				440-480	100	100	150					14		38	3.5	
106		1.75(105)	20	220-230	175	200	250	16	28	38	60	100	150(124m)*1	150(90m)*1	5.5	4150
107				380-415	60	100	125					22	60	60		
108				440-480	100		150						38			
109	1801 ~ 2000	1.0(60)	13	220-230	175	200	250	11	19	26	40	60	150	150(134m)*1		2640
110				380-415	50	60	75					14	38	38	3.5	
111				440-480	100	100	150						22			
112		1.5(90)	19	220-230	175	200	250	15	26	36	57	100	150(130m)*1	150(94m)*1	5.5	3960
113				380-415	60	75	100					22	38	60		
114				440-480	100	100	150							38	3.5	
115		1.75(105)	22	220-230	175	200	250	18	31	43	65	150	150(113m)*1	150(82m)*1		4620
116				380-415	75	100	125					38	60	100	5.5	
117				440-480	100		150					22		60		

Notes
- Maximum length of lead-in wire is 150m, maximum lead-in wire size is 150mm².
*1 ( ) : Maximum length of lead-in wire with 150mm².
*2 Please consult Hitachi or local agent about maximum size and maximum length of lead-in wire.

Memo