

Dimensions and reaction loading (for 1 elevator)

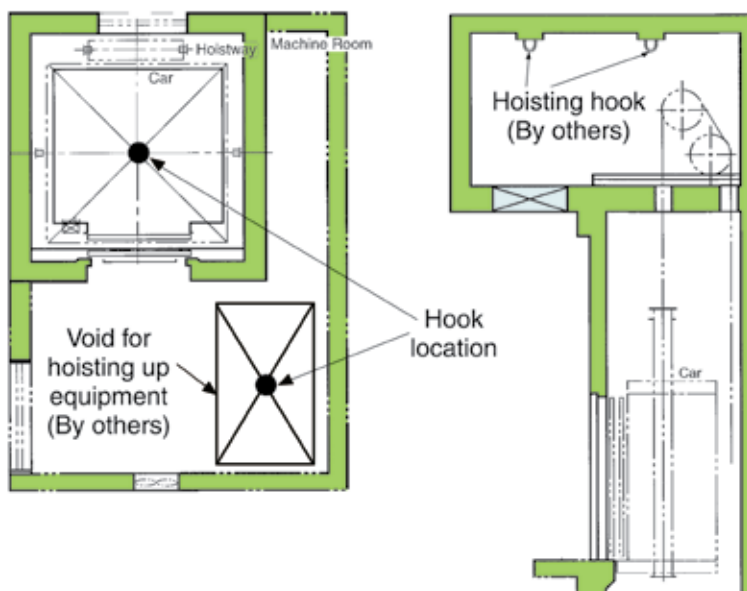
Based on Bombay Act 1939 (India) regulations

No.	Rated load (kg)	Persons	Rated speed m/s (m/min)	Model	Door OP width (mm)	Car inside	Hoistway	Machine room	Machine room and pit reaction loading (kN)				
						a x b (mm)	X x Y (mm)	S x T (mm)	R1	R2	R3	R4	
1	450	6	1.0 (60)	VFI-450-CO60	800	1400 x 850	1850 x 1450	2300 x 2300	43	25	81	71	
2	550	8	1.0 (60)	VFI-550-CO60		1400 x 1030		1850 x 1630	2300 x 2350	46	27	90	78
3			1.5 (90)	VFI-550-CO90				1850 x 1680	2400 x 2350	49	29	90	79
4			1.75 (105)	VFI-550-CO105								107	93
5			600	9				1.0 (60)	VFI-600-CO60	1400 x 1100		1850 x 1700	2300 x 2400
6	1.5 (90)	VFI-600-CO90				1850 x 1750	2400 x 2400	50	29			93	80
7	1.75 (105)	VFI-600-CO105										110	96
8	700	10	1.0 (60)	VFI-700-CO60		1400 x 1250		1850 x 1850	2300 x 2500	51	30	105	89
9			1.5 (90)	VFI-700-CO90				1850 x 1900	2400 x 2500	54	32	103	89
10			1.75 (105)	VFI-700-CO105								122	106
11			750	11				1.0 (60)	VFI-750-CO60	1400 x 1350		1850 x 1950	2300 x 2550
12	1.5 (90)	VFI-750-CO90				1850 x 2000	2400 x 2550	55	32			106	93
13	1.75 (105)	VFI-750-CO105										126	110
14	900	13	1.0 (60)	VFI-900-CO60	1600 x 1350		2050 x 2000	2550 x 2750	57	33	122	102	
15			1.5 (90)	VFI-900-CO90			2100 x 2050	2650 x 2750	61	36	120	101	
16			1.75 (105)	VFI-900-CO105							142	120	
17	1000	15	1.0 (60)	VFI-1000-CO60	1600 x 1500		2050 x 2150	2550 x 2800	59	35	128	106	
18			1.5 (90)	VFI-1000-CO90			2100 x 2200	2650 x 2800	63	37	125	104	
19			1.75 (105)	VFI-1000-CO105							148	124	

Minimum dimensions for overhead height and pit depth, and other specifications

No.	Rated speed m/s (m/min)	Minimum overhead height (mm)	Minimum pit depth (mm)	Maximum number of stops	Maximum travel (m)	Minimum floor height (mm)
1	1.0 (60)	4450 (*)	1500	16	60	2700
2	1.5 (90)	4550 (*)	1600	32	100	
3	1.75 (105)	4600 (*)				

(*) Minimum overhead height shall be increased by 200mm if the ceiling design is EX-series type.



Others

When building contractor provides the temporary void on the machine room floor for hoisting up elevator equipment, building contractor shall provide an additional suspension hook, positioned directly above the center of the void. (For details, please consult with Hitachi.)

Note: For non-standard requirements, please contact Hitachi.

Electrical information

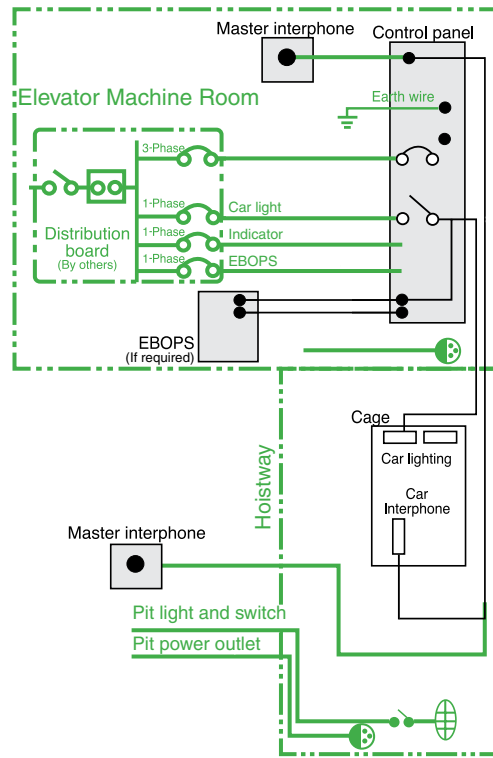
Wiring diagram

— shows the works to be done by others.

Pit lightings, including wiring and piping, are to be provided by others (minimum 200 lux at floor level). Power socket outlet, including wiring and piping in pit, are to be provided by others.

Item	Work to be provided by others
Main power supply (*)	To install facilities to ensure that power does not fluctuate outside the range of -10% to +5% of the normal voltage rating and to ensure that the unbalance factor of voltage does not exceed 5%.
Lighting power supply (*)	To provide lighting power supply for car lighting indicators and maintenance work.
Interphone	To provide pipes and wiring located outside hoistway. To provide 12 interphone wires of 0.9mm ² / elevator.
Ventilation	To provide mechanical ventilation to the machine room to ensure that the temperature in the machine room is maintained at below 38°C.
Pit light, power outlet	To provide single-phase AC 200V, 10A power outlet and pit lighting with switch below the entrance floor level for maintenance purposes.

(*) Main and lighting supply shall lead into the elevator machine room.



Electrical data

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

No.	Model	Rated load (kg)	Rated speed m/s (m/min)	Electrical data (For 1 elevator unless specified)							
				Main supply voltage (kW)	Main supply voltage (3-phase) (V)	Circuit breaker capacity per unit (A)	Transformer capacity (kVA)			Starting power (kVA/ unit)	Calorific value for 1 lift (kcal/ hr)
							1 unit	2 units	3 units		
1	VFI-450-CO60	450	1.0 (60)	4.5	200-220	40	6	10	14	19	600
					380-480	20					
2	VFI-550-CO60	550	1.0 (60)	4.5	200-220	40	6	10	14	19	734
					380-480	20					
3	VFI-550-CO90	550	1.5 (90)	5.5	200-220	40	7	11	15	22	1100
					380-415	30					
					440-480	20					
4	VFI-550-CO105	550	1.75 (105)	6.7	200-220	50	8	13	18	25	1284
					380-480	30					
					200-220	40					
5	VFI-600-CO60	600	1.0 (60)	4.5	200-220	40	6	10	14	19	800
					380-480	20					
					200-220	50					
6	VFI-600-CO90	600	1.5 (90)	6.7	200-220	50	8	13	18	25	1200
					380-480	30					
					200-220	40					
7	VFI-600-CO105	600	1.75 (105)	7.8	380-415	40	9	15	20	28	1400
					440-480	30					
					200-220	50					
8	VFI-700-CO60	700	1.0 (60)	5.5	200-220	40	7	11	15	22	934
					380-415	30					
					440-480	20					
9	VFI-700-CO90	700	1.5 (90)	7.8	200-220	50	9	15	20	28	1400
					380-415	40					
					440-480	30					
10	VFI-700-CO105	700	1.75 (105)	8.3	200-220	50	9	15	21	29	1634
					380-415	40					
					440-480	30					
11	VFI-750-CO60	750	1.0 (60)	5.5	200-220	40	7	11	15	22	1000
					380-415	30					
					440-480	20					
12	VFI-750-CO90	750	1.5 (90)	7.8	200-220	50	9	15	20	28	1500
					380-415	40					
					440-480	30					
13	VFI-750-CO105	750	1.75 (105)	9.7	200-220	60	9	15	21	33	1750
					380-480	40					
14	VFI-900-CO60	900	1.0 (60)	6.7	200-220	50	8	13	18	25	1200
					380-480	30					
15	VFI-900-CO90	900	1.5 (90)	9.7	200-220	60	9	15	21	33	1800
					380-480	40					
16	VFI-900-CO105	900	1.75 (105)	10.2	200-220	60	9	16	22	34	2100
					380-480	40					
17	VFI-1000-CO60	1000	1.0 (60)	6.7	200-220	50	8	13	18	25	1334
					380-480	30					
18	VFI-1000-CO90	1000	1.5 (90)	9.7	200-220	60	9	15	21	33	2000
					380-480	40					
19	VFI-1000-CO105	1000	1.75 (105)	11.7	200-220	75	11	18	24	38	2334
					380-480	40					

