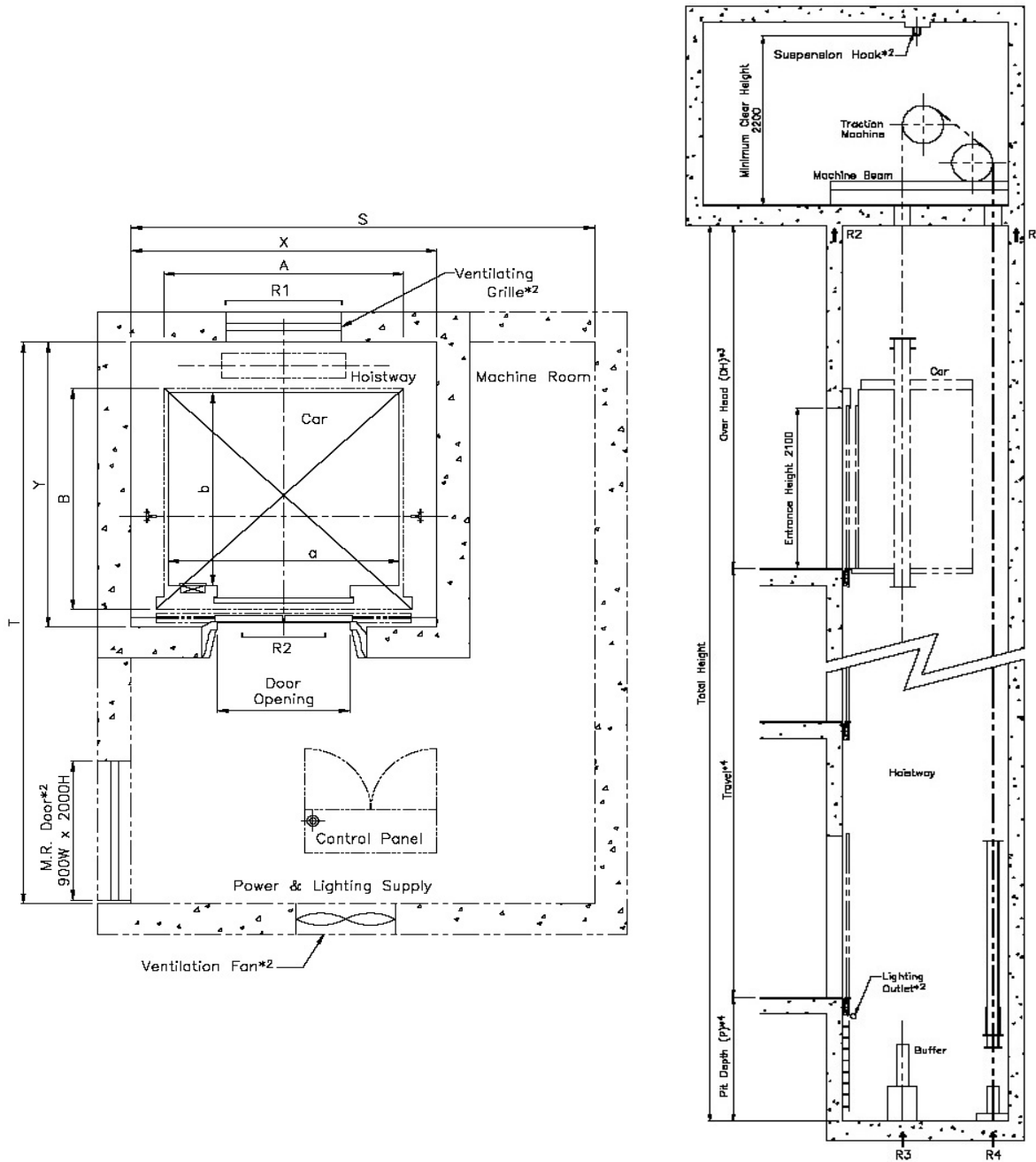


**Dimensions of Hoistway, Machine Room and Reaction Loading for VFI Model  
Based on Singapore (CP2) & Malaysia Regulations**



**Suspension Hook**

Speed (m/min)	Load (kg)	Suspension hook capacity
60	450-1,000	3 tons
	1,150-1,600	5 tons
90	550-1,000	3 tons
	1,150-1,600	5 tons
105	550-1,000	3 tons
	1,150-1,600	5 tons
120	750-1,600	5 tons
150	750-1,600	5 tons

- Note:
1. Machine room temperature should be maintained below 40°C with ventilating fan or air conditioner.
  2. Items marked \* shall be furnished by building contractors.
  3. If the ceiling design is EX type, minimum overhead shall be increased by 200 mm.
  4. If the travel is over 80 m and car speed is 120 m/min or 150 m/min, the pit depth shall be 2,500 mm or 2,700 mm, respectively.

**Dimensions of Hoistway, Machine Room and Reaction Loading for VFI Model  
Based on Singapore (CP2) and Malaysia Regulations with Fire Rated Door**

No.	Load (kg)	Persons	Speed (m/min)	Model	Door OP width (mm)	Car inside A x B (mm)	Hoistway X x Y (mm)	Machine room S x T (mm)	Overhead (OH)	Pit depth (P)	Machine room reaction load		Pit reaction load		Motor capacity (kW)
											R1 (kg / EL)	R2 (kg / EL)	R3 (kg / EL)	R4 (kg / EL)	
1	450	6	60	VFI-450-CO60	800	1400 x 850	1850 x 1450	2300 x 3250	4450	1500	3200	2100	5300	4750	4.5
2	550	8	60	VFI-550-CO60	800	1400 x 1030	1850 x 1630	2300 x 3250	4450	1500	3300	2200	6000	5300	5.5
3			90	VFI-550-CO90			4550	1550	3300	2300	7100	6000	9.5		
4			105	VFI-550-CO105			4610	1700	3300	2300	7100	6000	11		
5	600	9	60	VFI-600-CO60	800	1400 x 1150	1850 x 1750	2300 x 3400	4450	1500	3500	2300	6800	5400	5.5
6			90	VFI-600-CO90			4550	1550	3500	2400	8200	6800	9.5		
7			105	VFI-600-CO105			4610	1700	3500	2400	8200	6800	11		
8	700	10	60	VFI-700-CO60	800	1400 x 1250	1850 x 1850	2300 x 3550	4450	1500	3700	2600	7100	5500	7.5
9			90	VFI-700-CO90			4550	1550	3800	2700	8600	7000	9.5		
10			105	VFI-700-CO105			4610	1700	3800	2700	8600	7000	11		
11	750	11	60	VFI-750-CO60	800	1400 x 1350	1850 x 1950	2300 x 3650	4450	1500	4100	2600	7300	5700	7.5
12			90	VFI-750-CO90			4550	1550	4100	2700	9150	7400	9.5		
13			105	VFI-750-CO105			4610	1700	4100	2700	9150	7400	11		
14			120	VFI-750-CO120			5100	2100	8200	5400	12500	10600	13		
15			150	VFI-750-CO150			5300	2250	8200	5400	12500	10600	15		
16	900	13	60	VFI-900-CO60	900	1600 x 1400	2050 x 2050	2600 x 3700	4450	1500	4500	3500	8900	6750	9.5
17			90	VFI-900-CO90			4550	1550	4500	3500	10200	8150	13		
18			105	VFI-900-CO105			4610	1700	4500	3500	10200	8150	15		
19			120	VFI-900-CO120			5100	2100	8400	5500	13400	11200	18		
20			150	VFI-900-CO150			5300	2250	8400	5500	13400	11200	18		
21	1000	15	60	VFI-1000-CO60	900	1600 x 1550	2050 x 2200	2600 x 3900	4450	1500	4600	3750	9200	6950	9.5
22			90	VFI-1000-CO90			4550	1550	4600	3750	10800	8500	13		
23			105	VFI-1000-CO105			4610	1700	4600	3750	10800	8500	15		
24			120	VFI-1000-CO120			5100	2100	8600	5800	14200	11700	18		
25			150	VFI-1000-CO150			5300	2250	8600	5800	14200	11700	18		
26	1150	17	60	VFI-1150-CO60	900	1600 x 1700	2050 x 2400	2600 x 4050	4950	1600	9000	5600	10800	8700	11
27			90	VFI-1150-CO90			5050	1650	9100	5900	13500	10700	13		
28			105	VFI-1150-CO105			5100	1700	9100	5900	13500	10700	15		
29			120	VFI-1150-CO120			5100	2100	9600	6400	15200	12300	18		
30			150	VFI-1150-CO150			5300	2250	9600	6400	15200	12300	20		
31	1350	20	60	VFI-1350-CO60	1100	2000 x 1550	2520 x 2210	3220 x 4000	4950	1600	9800	5900	12000	9400	15
32			90	VFI-1350-CO90			5050	1650	9900	6200	1500	11700	15		
33			105	VFI-1350-CO105			5100	1700	9900	6200	1500	11700	18		
34			120	VFI-1350-CO120			5100	2100	10500	6600	16700	13300	20		
35			150	VFI-1350-CO150			5300	2250	10500	6600	16700	13300	24		
36	1600	23	60	VFI-1600-CO60	1100	2000 x 1750	2520 x 2410	3220 x 4160	4950	1600	10400	6300	13300	10300	15
37			90	VFI-1600-CO90			5050	1650	10500	6600	16700	12800	18		
38			105	VFI-1600-CO105			5100	1700	10500	6600	16700	12800	22		
39			120	VFI-1600-CO120			5100	2100	11100	7000	18400	14400	22		
40			150	VFI-1600-CO150			5300	2250	11100	7000	18400	14400	27		

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