

ELECTRIC PASSENGER / GOODS / HYDRAULIC LIFT / DUMBWAITER

Registration No. PMA : _____ Lift No. _____
Design File No. _____
Owner's Name _____
Building Name _____
Address _____

Inspection Date _____ Maker _____
Contract Speed _____ Serial No. _____
Contract Load _____ kg _____ Passenger _____ Year Mfg. _____
No. of Opening _____ Power _____ Model _____
No. of Floors Served _____ Travel of Lift _____ m

Suspended Lift Pit Approval _____ Approval Ref : _____ Tarikh _____

Other Approval

_____ Approval Ref : _____ Tarikh _____
_____ Approval Ref : _____ Tarikh _____

Exemptions

Reduced dia. Governor rope _____ Exemption Ref : _____ Tarikh _____

Reduced dia. Suspension rope _____ Exemption Ref : _____ Tarikh _____

Reduced buffer stroke _____ Exemption Ref : _____ Tarikh _____

Other Exemption

_____ Exemption Ref : _____ Tarikh _____
_____ Exemption Ref : _____ Tarikh _____
_____ Exemption Ref : _____ Tarikh _____

Remarks : _____

Tandatangan Pemeriksa

Tandatangan Orang Kompeten

Nama:
Jabatan Keselamatan dan Kesihatan Pekerjaan
.....
Tarikh:

Nama:
Tarikh:

Serial no. of lift : _____

Reg.	Description	Inspector's check figure			Requirements / Remarks
MACHINE ROOM					
8(7)	Drum/Sheave dia. Ratio : 1		mm	Min. 40 : 1	
8(12)(a)	Span of support beam		mm		
9(2)(b)	Machine/wall clearance		mm		
9(2)(d)	Clear height machine room		mm	Min. 2000mm	
	Machine to ceiling/beam clearance		mm	Min. 700mm	
23(2)	Governor tripping speed	cwt. Car	m/min	See table II	
23(4)	Governor rope dia.	cwt. Car	mm/Ø		
27(1)	Suspension rope dia.		mm/Ø	Min. 10mm/Ø	
27(2)	Suspension of ropes			Min. 3 ropes	
Safe access to lift machine room		NA/No/Good	Traction sheave roping	Sgl/DbI	
M/R securely locked with siagnages		NA/No/Good	Sheave guarding	No/Good	
M/R or M/c space exhaust fan/air-con		NP/No/Good	13 amps point	No/Good	
M/R or machine space lighting		No/Good	EBOPS for car light and fan	No/Good	
Machine room fire extinguisher		NA/No/Good	Governor overspeed switch	NP/No/Good	
CAR TOP					
25	Car top clearance		mm		
	Cwt. Top clearance		mm		
14(4)	Car frame crosshead		mm		
21(6)	Max. dist. between guide bracket		mm		
11(5)	Fascia plate/car nosing clearance		mm	Max. 130mm	
11(6)	Car/wall clearance		mm	Min. 25mm	
	Cwt./wall clearance		mm	Min. 25mm	
29(1)	Car/cwt. Clearance		mm	Min. 40mm	
26(5)	Cam length		mm	Min. 610mm	
Final top limit switch		No/Good	Car top railing	NP/No/Good	
Emergency hatch switch		NP/No/Good	Car top light	NP/No/Good	
Safety gear switch		NP/No/Good	Car ventilation fan	NP/No/Good	
Car sheave roping		1:1 / 2:1	Cwt Sheave roping	1:1 / 2:1	
Emergency terminal speed limiting device		NP/Yes	Preset speed limit	m/min	
Non-stop zone emergency door with special lock			NP/No/Good		
Landing door switch		No/Good	Design landing door key	No/Good	

Reg.	Description	Inspector's check figure	Remarks
LIFT CAR			
7(2)(a)	Car width (w) x depth (d)	mm	See table I
11(4)	Landing threshold/car nosing clearance	mm	Min. 15mm Max. 40mm
12(3)	Lift well side landing door/landing threshold	mm	Max. 70mm
12(4)	Landing door/car door clearance	mm	Max. 150mm
12(2)	Landing door height	mm	Passenger - Min.2000mm Goods - Min.1830mm
15(1)	Car door height	mm	
14(7)	Car enclosure height	mm	
Toughened/shatter proof glass/mirror in car NP/No/Good (Spec. No.)			
Car door safety edge/sensor/light NP/No/Good		Car Interior light NP/No/Good	
Car intercom system NP/No/Good		Car load weighing device NP/No/Good	
Emergency alarm bell NP/No/Good		Car locking device NP/No/Good	
LIFT PIT			
10(5)(b)	Fully compressed car buffer/pit floor clearance	mm	Min. 610mm
10(6)	Lift pit depth	mm	
10(8)	Top height counterweight guard	mm	Min. 2000mm
	Bottom clearance cwt. guard	mm	Max. 300mm
	Compensating chain/rope	no(s).	
14(4)	Car bottom span	mm	
24(6)	Buffer stroke -car	mm	See table II
	Buffer stroke -counterweight	mm	See table II
25	Bottom runby -car	mm	Max. 610mm
	Bottom runby -counterweight	mm	Max. 915mm
22(4)	Stopping distance (drop test) - car	mm	See table II
	Stopping distance (drop test) - counterweight	mm	See table II
Suspended lift shaft NP/Yes		Reduced buffer stroke NP/Yes	
Safety gear switch NP/No/Good		Pit emergency stop switch NP/No/Yes	
Car bottom light NP/No/Good		Pit light NP/No/Yes	
Bottom final limit switch No/Good		Pit ladder NP/No/Good	
Governor tension switch NP/No/Good		Pit waterproofing No/Good	
Comp. rope tension switch NP/No/Good		Oil buffer switches NP/No/Good	
Common lift pit guarding NP/No/Good			
CHECK ITEMS FOR HYDRAULIC LIFT			
Hydraulic check valve NP/Yes		Hydraulic plunger Direct/Indirect	
Dia. Of plunger mm/Ø		Slack rope safety NP/No/Good	
Max. working pressure-hydraulic pump			

Table II

Contract speed (m/min)	Max. Governor tripping speed (m/min)	Stopping distance		Min. Buffer Stroke	
		Min. (mm)	Max. (mm)	Spring (mm)	Oil (mm)
0-30	53	150	380	40	70
39	53	150	410	65	70
46	64	150	410	65	70
52	76	205	480	100	70
60	84	230	540	100	70
69	94	255	610		90
76	103	280	680		110
90	120	330	820		160
98	120	330	840		160
105	138	380	990		210
122	156	460	1220		280
137	173	535	1475		350
153	191	635	1730		430
183	226	840	2310		630
214	261	1090	3000		890
244	296	1370	3810		1110
275	331	1650	4650		1410
305	366	2030	5640		1740
336	403	2439	6808		2105
366	439	2845	8025		2505
390	476	3328	9424		2935
427	513	3836	10846		3415
458	549	4395	12446		3910

When emergency terminal speed limiting device is installed, buffer stroke may be reduced to 115% of such reduced striking speed but not less than half the buffer stroke for contract speed not greater than 240 m/min.

In any event, the stroke shall not be less than 420 mm; or one third of the buffer stroke for contract speed greater than 240 m/min. but in no case shall the stroke be less than 540 mm.

Table I

Car Floor Area (m ²) (± 0.05 m ²)	Max. Person	Contract Load (kg)
0,950	5	345
1,115	6	410
1.280	7	480
1.450	8	545
1.600	9	615
1,755	10	685
1,895	11	750
2,055	12	820
2,195	13	885
2.340	14	955
2.480	15	1025
2.620	16	1090
2.740	17	1160
2,835	18	1225
3.000	19	1295
3.130	20	1365
3.250	21	1430
3.370	22	1500
3,485	23	1565
3,605	24	1635
3,735	25	1705