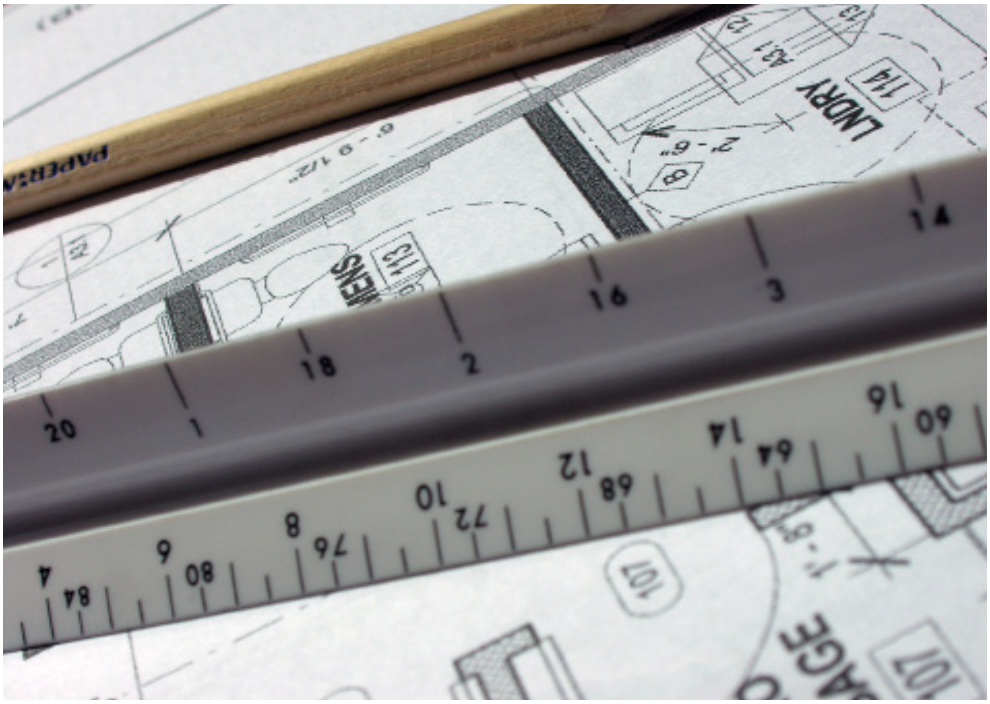




Schindler 5500

Machine-Room-Less Configuration
Planning Data (Singapore)

Schindler

Schindler 5500 MRL Planning Data (Singapore)

Load		Speed	Travel Height	Car (mm)		Door (mm)		Shaft (mm)	
kg	Pers	m/s	m	Width	Depth	Width	Height	Width	Depth
630	8	1.0	60	1400	1100	800	2100	1950	1450
				1100	1400			1800	1750
		1.6	80	1400	1100	800	2100	1950	1450
				1100	1400			1800	1750
		1.75		1400	1100	800	2100	1950	1450
				1100	1400			1800	1750
750	10	1.0	60	1400	1250	800	2100	2000	1600
						900	2100	2050	1600
				1400	1350	800	2100	2000	1700
						900	2100	2050	1700
		1.6	80	1400	1250	800	2100	2000	1600
						900	2100	2050	1600
				1400	1350	800	2100	2000	1700
						900	2100	2050	1700
		1.75		1400	1250	800	2100	2000	1600
						900	2100	2050	1600
				1400	1350	800	2100	2000	1700
						900	2100	2050	1700
900	12/13	1.0	60	1600	1300	900	2100	2150	1650
				1600	1400			2150	1750
				1400	1600	900	2100	2150	1750
				1600	1300	1000	2100	2250	1650
				1600	1400			2250	1750
		1.6	80	1600	1300	900	2100	2150	1650
				1600	1400			2150	1750
				1400	1600	900	2100	2050	1950
				1600	1300	1000	2100	2250	1650
				1600	1400			2250	1750
		1.75		1600	1300	900	2100	2150	1650
				1600	1400			2200	1750
				1400	1600	900	2100	2050	1950
				1600	1300	1000	2100	2250	1650
				1600	1400			2250	1750
		2.0	100	1600	1300	900	2100	2200	1650
				1600	1400			2200	1750
				1400	1600	900	2100	2100	1950
				1600	1300	1000	2100	2300	1650
				1600	1400			2300	1750
		2.5	150	1600	1300	900	2100	2200	1650
				1600	1400			2200	1750
				1400	1600	900	2100	2200	1750
				1600	1300	1000	2100	2300	1650
				1600	1400			2300	1750
		3.0		1600	1300	900	2100	2200	1650
				1600	1400			2200	1750
				1400	1600	900	2100	2200	1750
				1600	1300	1000	2100	2300	1650
				1600	1400			2300	1750
1000	13/14	1.0	60	1600	1400	900	2100	2150	1750
						1000	2100	2250	1750
						1100	2100	2400	1750
				1600	1550	900	2100	2150	1900
						1000	2100	2250	1900
						1100	2100	2400	1900
				1100	2100	900	2100	2000	2450
		1.6	80	1600	1400	900	2100	2150	1750
						1000	2100	2250	1750
						1100	2100	2400	1750
				1600	1550	900	2100	2150	1900
						1000	2100	2250	1900
						1100	2100	2400	1900
				1100	2100	900	2100	2000	2450
		1.75		1600	1400	900	2100	2150	1750
						1000	2100	2250	1750
						1100	2100	2400	1750
				1600	1550	900	2100	2150	1900
						1000	2100	2250	1900
						1100	2100	2400	1900
				1100	2100	900	2100	2000	2450

Overtravel (mm)	Pit Depth (mm)	Reaction Load (kN)						Motor	Starting power per elevator	Heat Dissipation per elevator
Singapore	Singapore	F9	F10	F11	F12	F13	F14	kW	A	kW
4200	1350	69.4	57.1	40	40	24.5	24.5	4.9	22.5	0.96
4400	1500	69.4	57.1	46	46	28.2	28.2	8.4	29.6	1.71
4400	1500	69.4	57.1	46	46	29	29	9.2	31.6	1.87
4200	1350	78.2	63.5	34.1	34.1	27.3	27.3	5.7	23.0	1.16
4400	1500	72.6	57.9	46.3	46.3	28.2	28.2	9.6	31.7	2.14
4400	1500	72.6	57.9	46.3	46.3	29.2	29.2	10.5	33.8	2.39
4200	1350	89.9	72.3	48.4	48.4	26.9	26.9	6.8	25.5	1.39
4400	1800	90.6	72.9	62.4	62.4	29.4	29.4	11.5	36.8	2.34
4400	1800	90.6	72.9	62.4	62.4	29.4	29.4	12.6	39.3	2.56
4500	1700	86.3	69.5	62.8	62.8	29.6	29.6	12.1	40.4	2.66
4750	1850	90.9	74.6	62.8	62.8	29.6	29.6	15.7	51.0	3.18
4850	2150	93.3	77	62.8	62.8	29.6	29.6	16.8	57.9	3.41
4200	1350	97.4	77.8	51.6	51.6	28.8	28.8	7.4	26.5	1.51
4400	1800	97.6	78	62.4	62.4	28.2	28.2	12.5	38.3	2.54
4400	1800	98.1	78.4	63.9	63.9	28.2	28.2	13.7	42.1	2.78

Schindler 5500 MRL Planning Data (Singapore)

Load		Speed	Travel Height	Car (mm)		Door (mm)		Shaft (mm)	
kg	Pers	m/s	m	Width	Depth	Width	Height	Width	Depth
1000	13/14	2.0	100	1600	1400	900	2100	2250	1800
						1000	2100	2300	1800
						1100	2100	2450	1800
				1600	1550	900	2100	2250	1950
						1000	2100	2300	1950
						1100	2100	2450	1950
				1100	2100	900	2100	2050	2500
		2.5	150	1600	1400	900	2100	2250	1800
						1000	2100	2350	1800
						1100	2100	2450	1800
				1600	1550	900	2100	2250	1950
						1000	2100	2300	1950
						1100	2100	2450	1950
				1100	2100	900	2100	2050	2500
		3.0		1600	1400	900	2100	2250	1800
						1000	2100	2350	1800
						1100	2100	2450	1800
				1600	1550	900	2100	2200	1900
						1000	2100	2300	1900
						1100	2100	2400	1900
				1100	2100	900	2100	2000	2450
1150	15	1.0	60	1800	1400	1000	2100	2400	1750
						1100	2100	2500	1750
				1950	1400	1000	2100	2550	1750
						1100	2100	2600	1750
		1.6	80	1800	1400	1000	2100	2400	1750
						1100	2100	2500	1750
				1950	1400	1000	2100	2550	1750
						1100	2100	2600	1750
		1.75		1800	1400	1000	2100	2400	1750
						1100	2100	2500	1750
				1950	1400	1000	2100	2550	1750
						1100	2100	2600	1750
		2.0	100	1800	1400	1000	2100	2500	1800
						1100	2100	2600	1800
				1950	1400	1000	2100	2600	1800
						1100	2100	2650	1800
		2.5	150	1800	1400	1000	2100	2500	1800
						1100	2100	2600	1800
				1950	1400	1000	2100	2650	1800
						1100	2100	2700	1800
		3.0		1800	1400	1000	2100	2500	1800
						1100	2100	2600	1800
				1950	1400	1000	2100	2650	1800
						1100	2100	2700	1800
1350	18	1.0	60	2000	1450	1100	2100	2600	1800
						1200	2100	2700	1800
				2000	1550	1100	2100	2600	1900
						1200	2100	2700	1900
		1.6	80	2000	1450	1100	2100	2600	1800
						1200	2100	2700	1800
				2000	1550	1100	2100	2600	1900
						1200	2100	2700	1900
		1.75		2000	1450	1100	2100	2600	1800
						1200	2100	2700	1800
				2000	1550	1100	2100	2600	1900
						1200	2100	2700	1900
		2.0	100	2000	1450	1100	2100	2700	1850
						1200	2100	2800	1850
				2000	1550	1100	2100	2700	1950
						1200	2100	2800	1950
		2.5	150	2000	1450	1100	2100	2700	1850
						1200	2100	2800	1850
				2000	1550	1100	2100	2700	1950
						1200	2100	2800	1950
		3.0		2000	1450	1100	2100	2700	1850
						1200	2100	2800	1850
				2000	1550	1100	2100	2700	1950
						1200	2100	2800	1950

Overtravel (mm)	Pit Depth (mm)	Reaction Load (kN)						Motor	Starting power per elevator	Heat Dissipation per elevator
Singapore	Singapore	F9	F10	F11	F12	F13	F14	kW	A	kW
4500	1700	98.4	79.7	64	64	27.6	27.6	12.9	43.6	2.63
4750	1850	98.4	80.2	64	64	27.6	27.6	16.4	53.9	3.33
4850	2150	100.8	82.5	64.6	64.6	27.6	27.6	18.6	64.2	3.77
4200	1350	107	84.4	46.6	46.6	37.3	37.3	8.7	29.4	1.78
4400	1800	106.5	84.9	65.9	65.9	40	40	14.8	43.7	3.01
4400	1800	106.7	85.1	66	66	40	40	16.2	47.0	3.29
4500	1700	107.7	86.2	66.1	66.1	40.3	40.3	18.8	60.8	3.81
4750	1850	105.6	86.4	66.7	66.7	40.3	40.3	18.8	60.8	3.81
4850	2150	102.6	86.4	67.0	67.0	41.4	41.4	21.2	68.7	4.31
4200	1350	119.4	92.9	50.4	50.4	40.2	40.2	10.0	32.3	2.03
4400	1800	116.5	93	68.8	68.8	40.1	40.1	16.8	48.0	3.42
4400	1800	118.7	93.2	69.4	69.4	40.2	40.2	18.4	51.8	3.74
4500	1700	119.7	94.1	70.2	70.2	41.4	41.4	17.3	52.7	3.81
4750	1850	108.6	94.5	72.5	72.5	42.3	42.3	21.9	61.9	1.95
4850	2150	107.2	96	76.2	76.2	43.4	43.4	24.7	70.2	2.20

Schindler 5500 MRL Planning Data (Singapore)

Load		Speed	Travel Height	Car (mm)		Door (mm)		Shaft (mm)	
kg	Pers	m/s	m	Width	Depth	Width	Height	Width	Depth
1600	21/23	1.0	60	2000	1700	1100	2100	2600	2050
						1200	2100	2700	2050
				2100	1700	1100	2100	2700	2050
						1200	2100	2850	2050
				1650	2200	1100	2100	2450	2550
						1200	2100	2600	2550
		1.6	80	2000	1700	1100	2100	2600	2050
						1200	2100	2700	2050
				2100	1700	1100	2100	2700	2050
						1200	2100	2850	2050
				1650	2200	1100	2100	2450	2550
						1200	2100	2600	2550
		1.75		2000	1700	1100	2100	2600	2050
						1200	2100	2700	2050
				2100	1700	1100	2100	2700	2050
						1200	2100	2850	2050
				1650	2200	1100	2100	2450	2550
						1200	2100	2600	2550
		2.0	100	2000	1700	1100	2100	2750	2100
						1200	2100	2800	2100
				2100	1700	1100	2100	2750	2100
						1200	2100	2900	2100
				1650	2200	1100	2100	2500	2600
						1200	2100	2650	2600
		2.5	150	2000	1700	1100	2100	2750	2050
						1200	2100	2800	2050
				2100	1700	1100	2100	2750	2050
						1200	2100	2900	2050
				1650	2200	1100	2100	2500	2550
						1200	2100	2650	2550
		3.0		2000	1700	1100	2100	2750	2050
						1200	2100	2800	2050
				2100	1700	1100	2100	2800	2050
						1200	2100	2900	2050
				1650	2200	1100	2100	2500	2550
						1200	2100	2650	2550
1800	24/25	1.0	60	2100	1750	1100	2100	2800	2100
						1200	2100	2800	2100
				2150	1800	1100	2100	2800	2150
						1200	2100	2800	2150
		1.6	80	2100	1750	1100	2100	2800	2100
						1200	2100	2800	2100
				2150	1800	1100	2100	2800	2150
						1200	2100	2800	2150
		1.75		2100	1750	1100	2100	2800	2100
						1200	2100	2800	2100
				2150	1800	1100	2100	2800	2150
						1200	2100	2800	2150
		2.0	100	2100	1750	1100	2100	2850	2150
						1200	2100	2850	2150
				2150	1800	1100	2100	2850	2200
						1200	2100	2850	2200
		2.5	150	2100	1750	1100	2100	2800	2150
						1200	2100	2800	2150
				2150	1800	1100	2100	2850	2200
						1200	2100	2850	2200
		3.0		2100	1750	1100	2100	2850	2150
						1200	2100	2850	2150
				2150	1800	1100	2100	2850	2200
						1200	2100	2850	2200

Overtravel (mm)	Pit Depth (mm)	Reaction Load (kN)						Motor	Starting power per elevator	Heat Dissipation per elevator
Singapore	Singapore	F9	F10	F11	F12	F13	F14	kW	A	kW
4200	1350	67.7	103.9	54.8	54.8	43.1	43.1	11.6	36.3	2.35
4350	1800	136.2	104.8	73.9	73.9	44.3	44.3	19.3	54.1	3.92
4450	1850	136.2	104.8	73.9	73.9	44.3	44.3	21.1	58.2	4.29
4500	1700	136.8	105.3	74.3	74.3	49.4	49.4	22.3	60.3	4.12
4750	1850	137.4	107.4	74.7	74.7	49.4	49.4	25.5	72.6	2.27
4850	2200	140.7	110.7	74.6	74.6	49.6	49.6	28.8	83.6	2.57
4200	1300	77.2	119.1	89.7	89.7	38.6	38.6	13.2	39.6	2.69
4400	1700	154.3	119.9	108.3	108.3	40.1	40.1	22.2	60.1	4.51
4400	1750	154.3	119.9	108.3	108.3	40.2	40.2	24.3	64.9	4.94
4500	1600	154.8	120.4	109.3	109.3	40.4	40.4	24.8	64.2	2.03
4800	1750	156.8	122.9	111.6	111.6	41.4	41.4	30.5	60.5	2.71
4850	2050	158.1	126.2	117	117	42.4	42.4	34.5	93.5	3.08

Schindler 5500 MRL Planning Data (Singapore)

Load		Speed	Travel Height	Car (mm)		Door (mm)		Shaft (mm)	
kg	Pers	m/s	m	Width	Depth	Width	Height	Width	Depth
2000	26/29	1.0	60	2350	1700	1200	2100	2950	2050
						1400	2100	3050	2100
				2100	2000	1200	2100	2800	2350
						1400	2100	2800	2400
		1.6	80	2350	1700	1200	2100	2950	2050
						1400	2100	3050	2100
				2100	2000	1200	2100	2800	2350
						1400	2100	2800	2400
		1.75		2350	1700	1200	2100	2950	2050
						1400	2100	3050	2100
				2100	2000	1200	2100	2800	2350
						1400	2100	2800	2400
		2.0	100	2350	1700	1200	2100	3000	2100
						1400	2100	3100	2150
				2100	2000	1200	2100	2850	2400
						1400	2100	2850	2450
		2.5		2350	1700	1200	2100	3000	2100
						1400	2100	3100	2150
				2100	2000	1200	2100	2850	2400
						1400	2100	2850	2450
2500	33/36	1.0	60	2300	2100	1200	2100	3000	2450
						1400	2100	3000	2500
				2300	2200	1200	2100	3000	2550
						1400	2100	3000	2600
		1.6	80	2300	2100	1200	2100	3000	2450
						1400	2100	3000	2500
				2300	2200	1200	2100	3000	2550
						1400	2100	3000	2600
		1.75		2300	2100	1200	2100	3000	2450
						1400	2100	3000	2500
				2300	2200	1200	2100	3000	2550
						1400	2100	3000	2600
		2.0	100	2300	2100	1200	2100	3000	2450
						1400	2100	3000	2500
				2300	2200	1200	2100	3000	2550
						1400	2100	3000	2600
		2.5		2300	2100	1200	2100	3000	2450
						1400	2100	3000	2500
				2300	2200	1200	2100	3000	2550
						1400	2100	3000	2600

Remarks

Dimensions

- Shaft dimension width & depth are based on clear dimension with +/-25mm and +/-40mm when travel height >80m horizontal tolerances over the total travel height.
- Car dimension with shaded background in compliance with EN81. For difference car sizes, please contact our local sales office.
- Structural car height: 2500mm
- Door width 1400mm based on 4 panel centre opening.
- Indicated dimension are standard for counterweight without safety gear.
- Load (Pers) shown are for general reference and planning. For specific construction, please contact our local sales offices.

Overtravel and Pit Depth

- Overtravel requirement is based on 2500mm structural car height.
- Overtravel based on balustrade height 1100mm.
- For smaller overtravel and pit depth, please contact our local sales offices.

Reaction Load

- Calculated with predefined additional decoration weight (50% of rated load) and highest travel height. For specific construction, please contact our local sales offices.

Overtravel (mm)	Pit Depth (mm)	Reaction Load (kN)						Motor	Starting power per elevator	Heat Dissipation per elevator
Singapore	Singapore	F9	F10	F11	F12	F13	F14	kW	A	kW
4200	1350	164.8	125.6	86.6	86.6	37.1	37.1	23.2	62.5	4.71
4350	1700	164.8	125.6	111.1	111.1	40.2	40.2	24.2	64.8	4.92
4450	1750	164.8	125.6	111.1	111.1	40.2	40.2	26.5	69.9	5.38
4550	1600	166.9	128.5	112	112	39.5	39.5	27.3	70.5	2.25
4750	1800	168.8	128.5	112.5	112.5	39.5	39.5	31.6	84.7	2.81
4200	1350	93.1	68.5	84.2	84.2	60.8	60.8	18.0	47.7	3.65
4450	1500	189.9	140.8	119.4	119.4	73.2	73.2	30.0	72.1	2.68
4450	1500	191.4	142.3	119.8	119.8	73.2	73.2	32.9	78.2	2.93
4550	1650	193.9	143.8	120.4	119.4	73.2	73.2	33.5	81.0	2.95
4750	1800	197.4	149.3	125.8	126	74.9	74.9	40.6	100.2	3.62

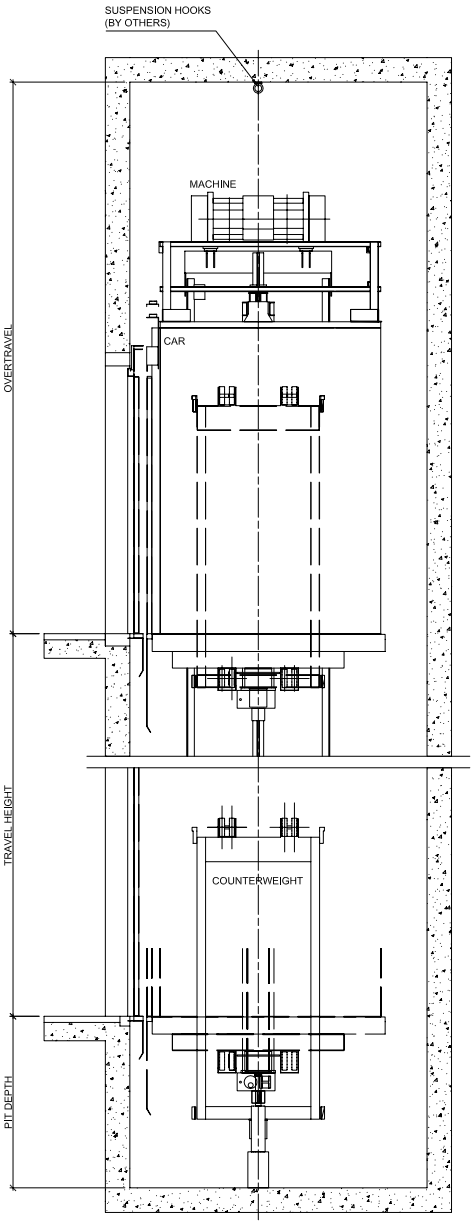
Heat Dissipation

– Our equipment is designed to withstand a temperature range of 5° to 40° C.

– To maintain a minimum room temperature for the service personnel, the machine room and shaft temperature should be kept within the range of 5° to 35° C.

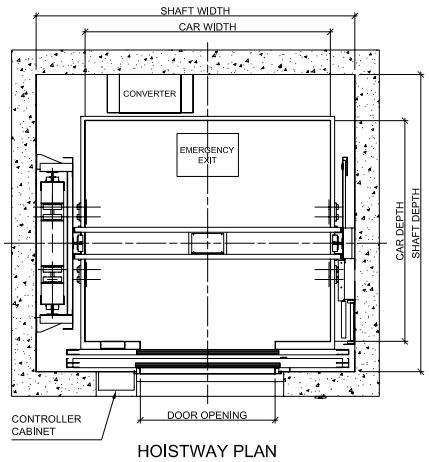
– The humidity in the machine room should not exceed 90% in monthly average and 95% in daily average without condensation.

Schindler 5500 MRL Planning Data (Singapore)

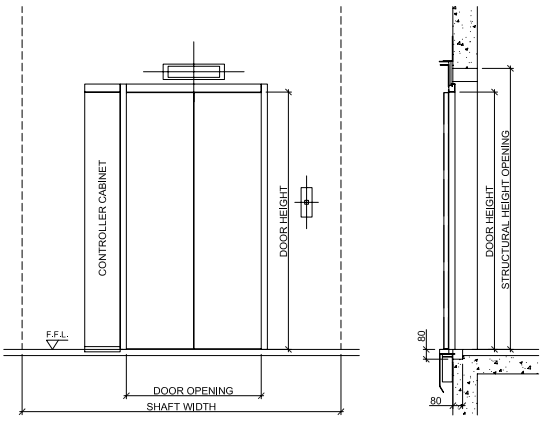


HOISTWAY SECTION

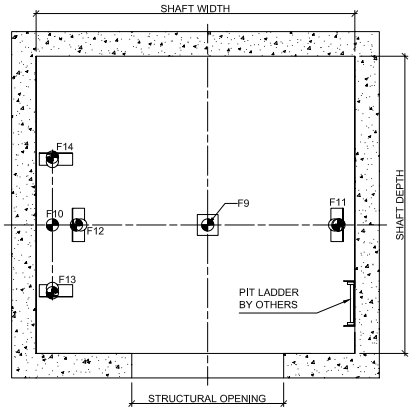
F9 ——— FORCE OF BUFFER ON HOISTWAY PIT, CAR SIDE
F10 ——— FORCE OF BUFFER ON HOISTWAY PIT, COUNTERWEIGHT SIDE
F11, F12 — FORCE OF GUIDE RAIL, CAR SIDE
F13, F14 — FORCE OF GUIDE RAIL, COUNTERWEIGHT SIDE



HOISTWAY PLAN



LANDING DOOR



FORCES ON PIT

We are always close by.

Please contact one of the following addresses:

Brunei
Schindler Liftec Sdn. Bhd.
Unit B8, 1st Floor, Kompleks Setia Kenangan
Kg. Kiulap, Mukim Gadong
Bandar Seri Begawan BE 1518
Negara Brunei Darussalam
Telephone + 673 2 236 515
+ 673 2 236 516
Fax + 673 2 236 470
info@bn.schindler.com

Cambodia
Jardine Schindler (Cambodia) Ltd.
No.315, Monivong Blvd, 22nd Floor, Canadia Tower
Phnom Penh, Kingdom of Cambodia
Telephone + 855 23 431 013
Fax + 855 23 431 014
info@kh.schindler.com

Hong Kong
Schindler Lifts (Hong Kong) Ltd.
29th Floor, Devon House, Taikoo Place, 979 King's Road
Quarry Bay, Hong Kong
Telephone + 852 2516 8168
Fax + 852 2516 6026
info@hk.schindler.com

Indonesia
P.T. Berca Schindler Lifts
Menara Rajawali
2nd Floor, Jl Mega Kuningan Lot 5.1
Kawasan Mega Kuningan
12950 Jakarta, Indonesia
Telephone + 62 21 576 1476
+ 62 21 576 1582
+ 62 21 576 3338
Fax + 62 21 576 1844
info@id.schindler.com

Macau
Jardine Schindler Lifts (Macao) Ltd.
No. 398, Alameda Dr. Carlos
D Assumpcao Edificio CNAC
9-andar-G & H, Macau
Telephone + 853 2875 7953
Fax + 853 2883 7264
info@hk.schindler.com

Malaysia
Antah Schindler Sdn Bhd (3837-H)
8th Floor, Bangunan TH Uptown 3
No. 3 Jalan SS 21/39, Damansara Uptown
47400 Petaling Jaya, Selangor D Ehsan, Malaysia
Telephone + 60 3 7725 1818
Fax + 60 3 7725 1181
info@my.schindler.com
Website www.schindler.my

Myanmar
Myanmar Jardine Schindler Ltd.
15 (F), Than Ta Man Street, Dagon Township
Yangon, Myanmar
Telephone + 95 1 226 930
+ 95 1 228 376
Fax + 95 1 226 930
+ 95 1 228 376

Philippines
Jardine Schindler Elevator Corporation
8th Floor, Pacific Star Building, Corner Sen. Gil Puyat Avenue
and Makati Avenue, Makati City, Philippines
Telephone + 63 2 811 5438
Fax + 63 2 843 1419
info@ph.schindler.com
Website www.schindler.ph

Singapore
Schindler Lifts (Singapore) Pte. Ltd.
1 Kaki Bukit View No. 04-18/26, Techview
Singapore 415941
Telephone + 65 6854 7888
Fax + 65 6846 2212
info@sg.schindler.com
Website www.schindler.sg

Taiwan
Jardine Schindler Lifts Ltd.
9th Floor, 35 Kwang Fu South Road
Taipei 105, Taiwan, R.O.C.
Telephone + 886 2 2528 6626
Fax + 886 2 2528 6656
info@tw.schindler.com
Website www.schindler.tw

Thailand
Jardine Schindler (Thai) Ltd.
20th Floor, Times Square Building, 246 Sukhumvit Road
Klongtoey, Bangkok 10110, Thailand
Telephone + 66 2 685 1600
Fax + 66 2 685 1601
info@th.schindler.com
Website www.schindler.co.th

Vietnam
Schindler Vietnam Ltd.
8th Floor, President Place, 93 Nguyen Du Street
Ben Nghe Ward, District 1, Ho Chi Minh City, Vietnam
Telephone + 84 8 3821 3383
+ 84 8 3821 3384
Fax + 84 8 3821 3382
info@vn.schindler.com
Website www.schindler.vn

Or visit our website:
www.jardineschindler.com

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