



Car Elevator

With the development of elevator technology, elevators are no longer only for passengers. It can deliver cars to designated floors for parking which adds convenience to our daily life.

SIGMA Car Elevator

CDA-C01 | Elevator Design |



CDA-C01

Walls & Ceiling Design	C-CA1
Finish	SBC(Color No. LGP-943)
Car Door	None
COP	CBM-14C
CPI	Digital (included in COP)
Ventilation	Diffuser Fan
Flooring	Check Plate
Pfotocell Beam	Car Wall Both Sides
Car Stopping Bumps	Safety Angle



SIGMA Car Elevator

CDA-E01 | Elevator Design |

Car Status Indicator

When car moves indicator lights & bell ring



Photocell Beam

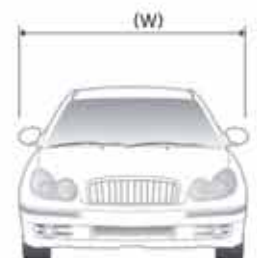
CDA-E01

Door Frame	SBC(Color No. LGP-943)
Landing Doors	SBC(Color No. LGP-943)
Flooring	Check Plate
HPI	VID-M432P
Car Status Indicator	Provided
Photocell Beam	Door Jamb Both Sides

Capacity and Allowed Dimensions

Capacity	Allowed maximum dimensions		
	(L)	(W)	(H)
2000kg	4800mm	1800mm	1700mm
2500kg	5200mm	2050mm	1700mm
3000kg	5200mm	2050mm	1700mm

Note. In case of SUV cargo vehicles, you may to contact SIGMA Elevator



Designs

| Colors



LGP-015



LGP-923



LGP-928



LGP-943



LGP-922

| COP



CBM-14C(MAIN)



CBM-14C(SUB)

| Hall Indicator



VID-M432P



VID-M432

| Status



Car Status
Indicator



Hall Lantern

! The actual product can be different (changed) depending on design

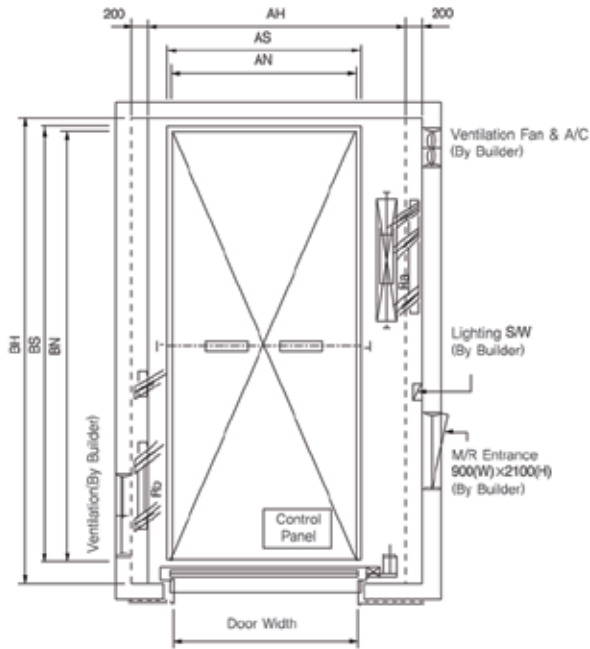
Technical Data

Technical Features

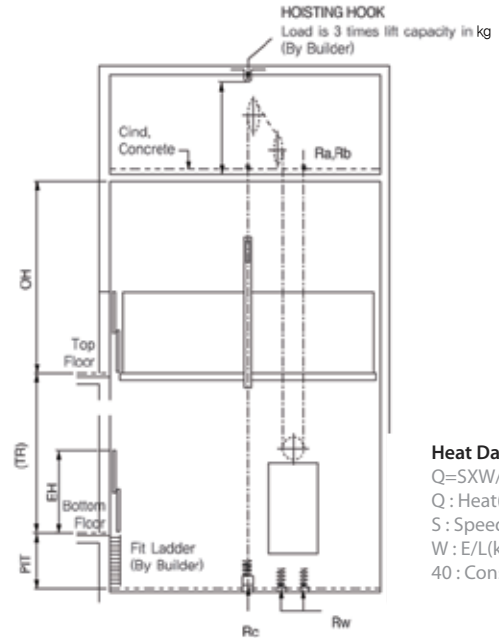
Section		2000kg						2500kg				3000kg				
		Rope type			Hydraulic			Rope type		Hydraulic		Rope type		Hydraulic		
Load (kg)		2000						2500				3000				
Speed (m/min)		30	45	60	20	30	30	45	60	20	30	30	45	20	30	
Motor Capacity (kw)		11	15	22	24	37	15	18.5	30	29	37	18.5	22	37	48	
Overhead (mm)		4200		4400	4200		4200		4400	4200		4200		4200		
Pit Depth (mm)		1500						1500				1500				
Power 220v / 380v	Building NFB Capa (A)	1set	100/75	100/75	125/75	225/125	300/175	100/75	100/75	150/100	225/125	300/175	125/75	125/75	300/175	400/225
		2sets	100/75	100/75	175/100	450/250	600/350	100/75	125/100	175/100	450/250	600/350	175/100	175/100	600/350	750/450
	Building Transformer Capa (kVA)	1set	11	11	16	75	75	12	14	20	75	75	15	16	75	90
		2sets	19	19	27	110	140	21	23	34	110	140	26	27	140	180
	Service Wire Size (mm ²)	1set	22/8	22/8	38/14	80/38	125/50	22/8	22/8	50/22	80/38	125/50	125/50	38/14	125/50	200/80
		2sets	60/14	60/14	100/22	250/100	325/150	60/14	60/22	100/38	250/100	325/150	60/22	60/22	325/150	*/200
Grounding Contactor SIZE (mm ²) 1/2		14/14			22/38			14/14			22/38		14/14		22/38	22/60
Car Insize AN×BN	Nomal		2350×5400						2500×6200				2500×6200			
	Through Type															
Hoistway Size AN×BN	Nomal	1set	3650×5800			3450×5800			3800×6600		3600×6600		3800×6600		3600×6600	
		2sets	7550×5800			7150×5800			7850×6600		7450×6600		7850×6600		7450×6600	
	Through Type	1set	3650×5850			3450×5850			3800×6650		3600×6650		3800×6650		3600×6650	
		2sets	7550×5850			7150×5850			7850×6650		7450×6650		7850×6650		7450×6650	
Machine Room Insize AN×BN	Nomal	1set	4050×5800			2500×2500			4200×6600		2500×2500		4200×6600		2500×2500	
		2sets	7950×5800			2500×5000			8250×6600		2500×5000		8250×6600		2500×5000	
	Through Type	1set	4050×5850			2500×2500			4200×6650		2500×2500		4200×6650		2500×5000	
		2sets	7950×5850			2500×5000			8250×6650		2500×5000		8250×6650		2500×5000	
Elevator Door Type	Car		No Car Door			No Car Door			No Car Door		No Car Door		No Car Door		No Car Door	
	Landing		2panel Upsliding						2panel Upsliding				2panel Upsliding			
Elevator Door Dimension	Width (EW)		2350						2500				2500			
	Height (EH)		1800						1800				1800			
Reaction Load	Machine	Nomal	Ra	14300	15300	9000	18400	20000	13100	24500	13100					
			Rb	7700	7800	600	9000	9800	600	12200	700					
		Through Type	Ra	17800	19100	9000	23000	25000	13100	30600	13100					
			Rb	9600	9700	600	11200	12200	600	15200	700					
	PIT	Nomal	Rc	23000	31000	31700	32500	42500	36000	43100	51000					
			Rw	18000	26000	11100	26000	3700	12100	36700	19100					
		Through Type	Rc	28700	38700	31700	40600	53100	36000	57600	51000					
			Rw	22500	32500	11100	32500	46000	12100	45900	13100					

Layout

I Hoiswtay and M/R Plan (Traction Rope Type)

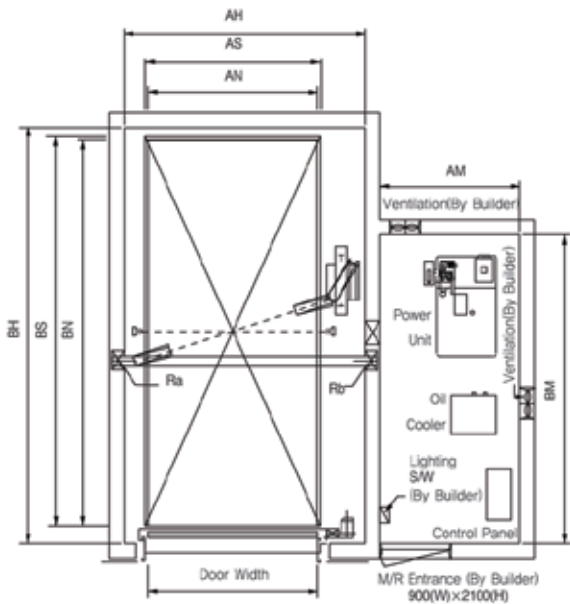


I Section

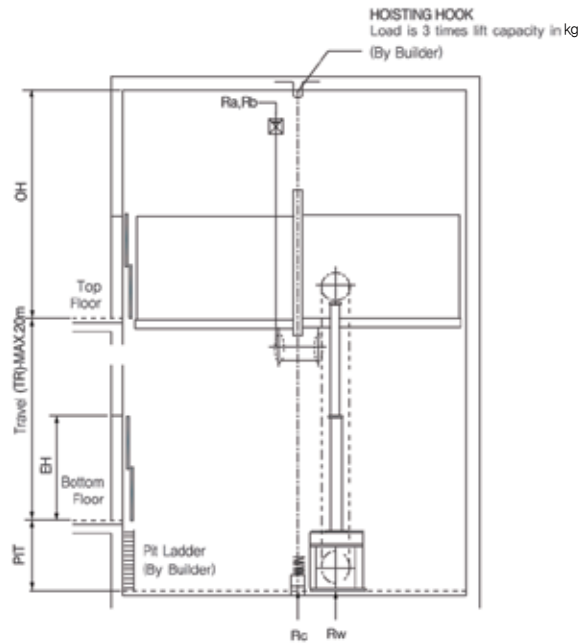


Heat Date
 $Q = SXW/40$
 Q : Heat(kcal/h)
 S : Speed(m/min)
 W : E/L(kg)
 40 : Constant Number

I Hoiswtay and M/R Plan (Hydraulic Type)



I Section



Heat Date
 $Q = (585XPXTr) / (51 + Tr \times 2)$
 Q:Heat(kcal/h)
 P:Motor Capacity (kW)
 Tr:Travel Time (m/sec)
 TR:Travel (m)
 585,51 : Constant Number

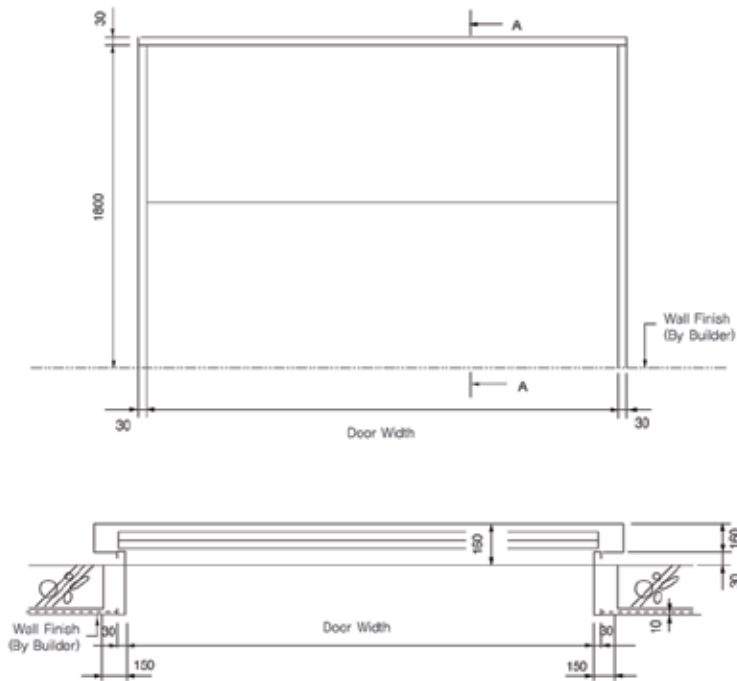
Heat	Tr
20 (m/min)	3TR+3.35
30 (m/min)	2TR+3.35

Note

1. Overhead from FFL top floor to bottom of shaft ceilings slab
2. Pit depth from FFL bottom floor to top of shaft floor slab

Layout

I Entrance Front View



I Section A-A



I Structural Opening

