



STEP ELEVATOR
SMART  TRUST

STEP

Elevator



SWP-Scintilla -Multi Color



Innovative DESIGN
FOR YOUR EXCEPTIONAL LIFESTYLE



You are our inspiration





B-Scintilla -GS

Passenger Elevator

- *Ceiling: Integrated Type, Combination of Stainless Steel, LED Light, Cross Flow Fan and Emergency Exit Door.
- *Car Cabinet Panel: Combination of VCM Filmed (Multi-Color)
- *Car Door Jamb: Combination of Stainless Steel
- *Car Door Panel: Combination of Stainless Steel
- *Kick Plate: Combination of Stainless Steel
- *Sill: Hardened Aluminum
- *Floor: Granito
- *Hand Rail: Flat or Round Stainless Type (Option: 1 Side or 3 Side / 1 Level)





B-Scintilla -BS

Passenger Elevator

- *Ceiling: Integrated Type, Combination of Stainless Steel, LED Light, Cross Flow Fan and Emergency Exit Door.
- *Car Cabinet Panel: Combination of VCM Filmed (Multi-Color)
- *Car Door Jamb: Combination of Stainless Steel
- *Car Door Panel: Combination of Stainless Steel
- *Kick Plate: Combination of Stainless Steel
- *Sill: Hardened Aluminum
- *Floor: Granite
- *Hand Rail: Flat or Round Stainless Type (Option: 1 Side or 3 Side / 1 Level)





B-Scintilla -BKS

Passenger Elevator

- *Ceiling: Integrated Type, Combination of Stainless Steel, LED Light, Cross Flow Fan and Emergency Exit Door.
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- *Sill: Hardened Aluminum
- *Floor: Granite
- *Hand Rail: Flat or Round Stainless Type (Option: 1 Side or 3 Side / 1 Level)





B-Scintilla -RS

Passenger Elevator

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- *Car Door Panel : Combination of Stainless Steel
- *Kick Plate: Combination of Stainless Steel
- *Sill: Hardened Aluminum
- *Floor: Granito
- *Hand Rail: Flat or Round Stainless Type (Option: 1 Side or 3 Side / 1 Level)





B-Scintilla -WHS

Passenger Elevator

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- *Car Cabinet Panel: Combination of VCM Filmed (Multi-Color)
- *Car Door Jamb: Combination of Stainless Steel
- *Car Door Panel : Combination of VCM Filmed (Multi-Color)
- *Kick Plate: Combination of Stainless Steel
- *Sill: Hardened Aluminum
- *Floor: Granite
- *Hand Rail: Flat or Round Stainless Type (Option: 1 Side or 3 Side / 1 Level)





B-Scintilla -GWH

Passenger Elevator

- *Ceiling: Integrated Type, Combination of VCM Filmed (Multi-Color), LED Light, Cross Flow Fan and Emergency Exit Door.
- *Car Cabinet Panel: Combination of VCM Filmed (Multi-Color)
- *Car Door Jamb: Combination of VCM Filmed (Multi-Color)
- *Car Door Panel : Combination of VCM Filmed (Multi-Color)
- *Kick Plate: Combination of VCM Filmed (Multi-Color)
- *Sill: Hardened Aluminum
- *Floor: Granite
- *Hand Rail: Flat or Round Stainless Type (Option: 1 Side or 3 Side / 1 Level)





B-Scintilla -BWH

Passenger Elevator

- *Ceiling: Integrated Type, Combination of VCM Filmed (Multi-Color), LED Light, Cross Flow Fan and Emergency Exit Door.
- *Car Cabinet Panel: Combination of VCM Filmed (Multi-Color)
- *Car Door Jamb: Combination of VCM Filmed (Multi-Color)
- *Car Door Panel : Combination of VCM Filmed (Multi-Color)
- *Kick Plate: Combination of VCM Filmed (Multi-Color)
- *Sill: Hardened Aluminum
- *Floor: Granite
- *Hand Rail: Flat or Round Stainless Type (Option: 1 Side or 3 Side / 1 Level)





B-Scintilla -BKWH

Passenger Elevator

- *Ceiling: Integrated Type, Combination of VCM Filmed (Multi-Color), LED Light, Cross Flow Fan and Emergency Exit Door.
- *Car Cabinet Panel: Combination of VCM Filmed (Multi-Color)
- *Car Door Jamb: Combination of VCM Filmed (Multi-Color)
- *Car Door Panel : Combination of VCM Filmed (Multi-Color)
- *Kick Plate: Combination of VCM Filmed (Multi-Color)
- *Sill: Hardened Aluminum
- *Floor: Granito
- *Hand Rail: Flat or Round Stainless Type (Option: 1 Side or 3 Side / 1 Level)





B-Scintilla -RWH

Passenger Elevator

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- *Car Door Jamb: Combination of VCM Filmed (Multi-Color)
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- *Sill: Hardened Aluminum
- *Floor: Granite
- *Hand Rail: Flat or Round Stainless Type (Option: 1 Side or 3 Side / 1 Level)



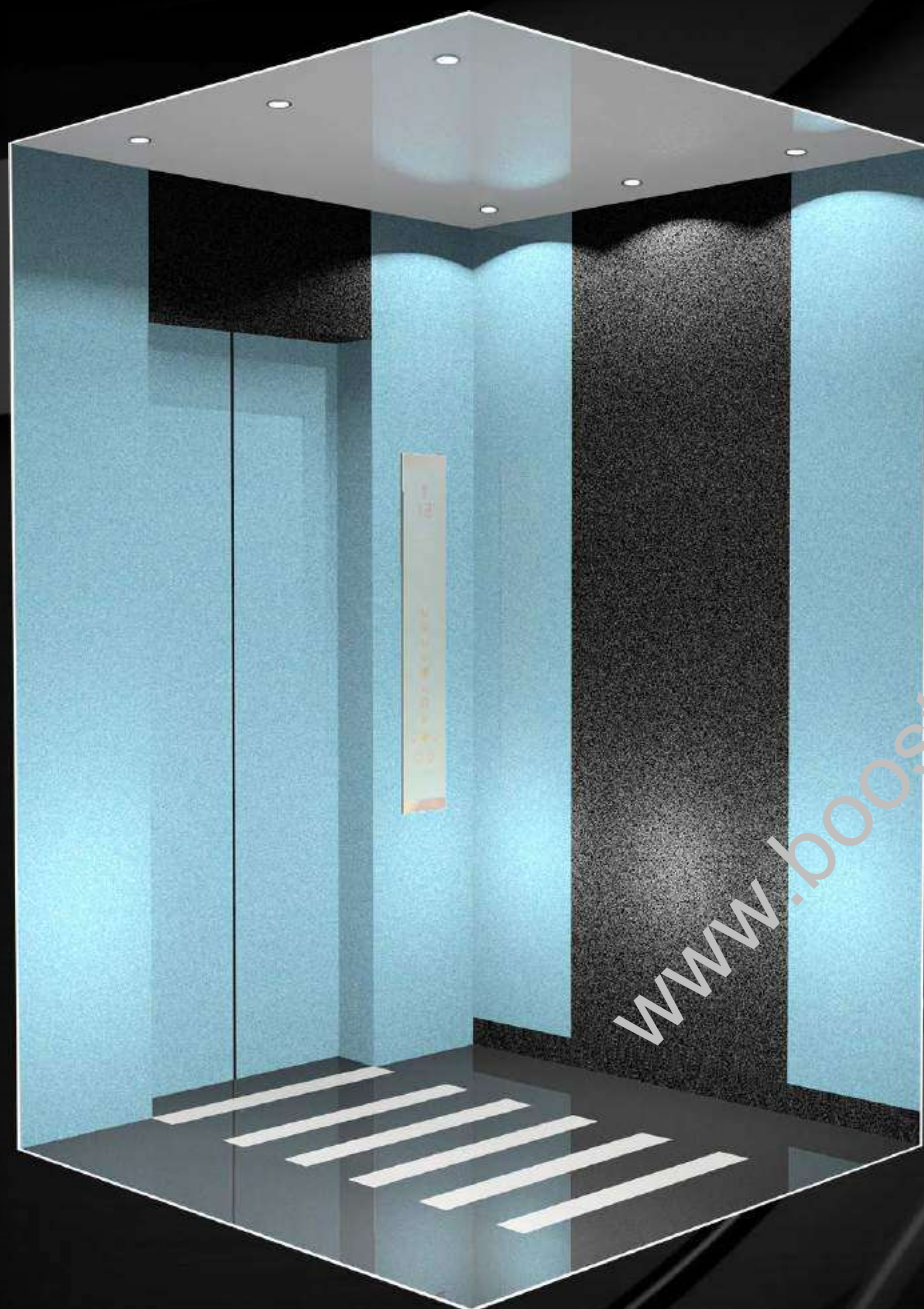


B-Scintilla -GBKS

Passenger Elevator

- *Ceiling: Integrated Type, Combination of Stainless Steel or Combination of VCM Filmed (Multi-Color), LED Light, Cross Flow Fan and Emergency Exit Door.
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- *Car Door Jamb: Combination of Stainless Steel
- *Car Door Panel: Combination of VCM Filmed (Multi-Color)
- *Kick Plate: Combination of Stainless Steel or Combination of VCM Filmed (Multi-Color)
- *Sill: Hardened Aluminum
- *Floor: Granite
- *Hand Rail: Flat or Round Stainless Type (Option: 1 Side or 3 Side / 1 Level)



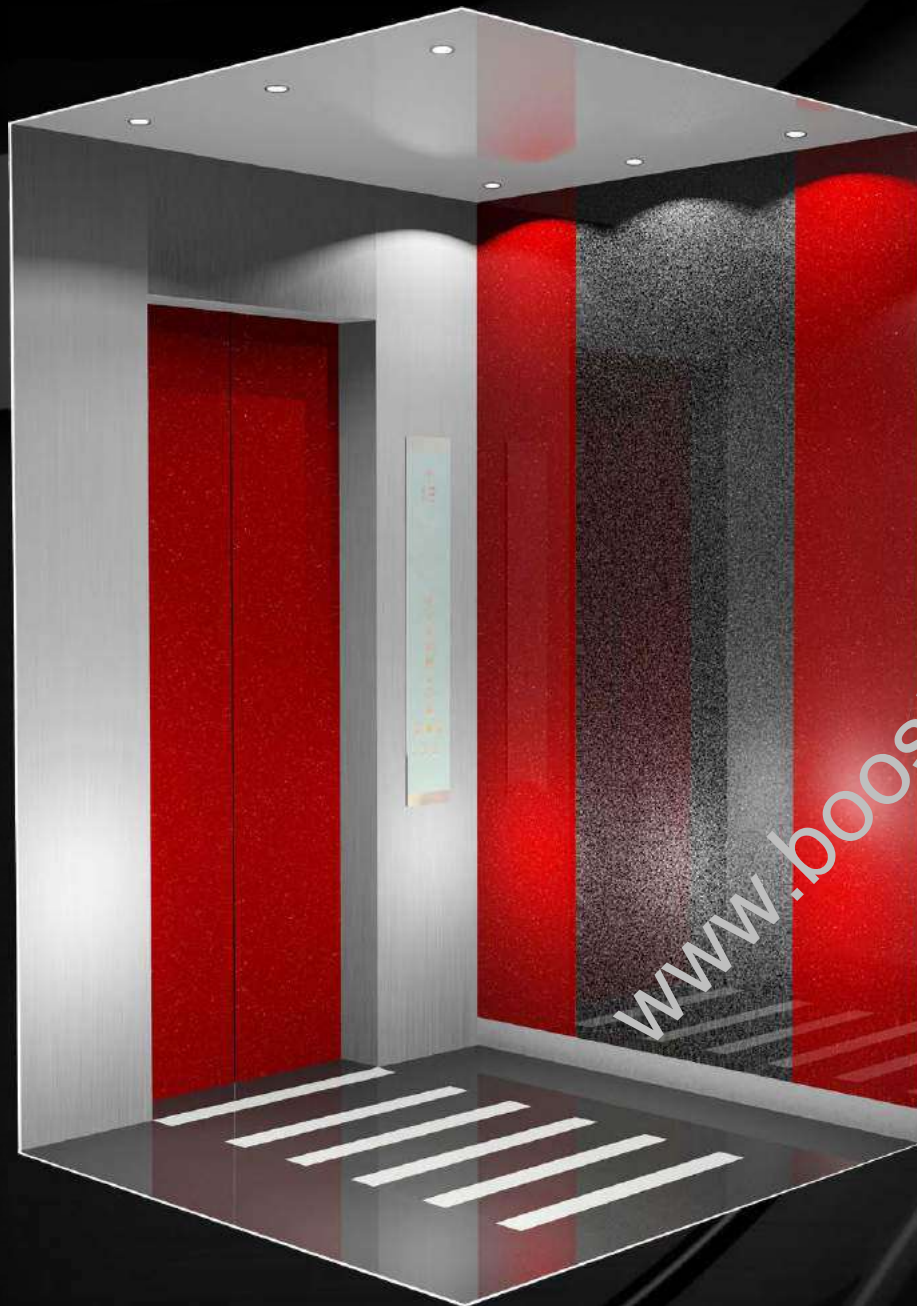


B-Scintilla -BBK

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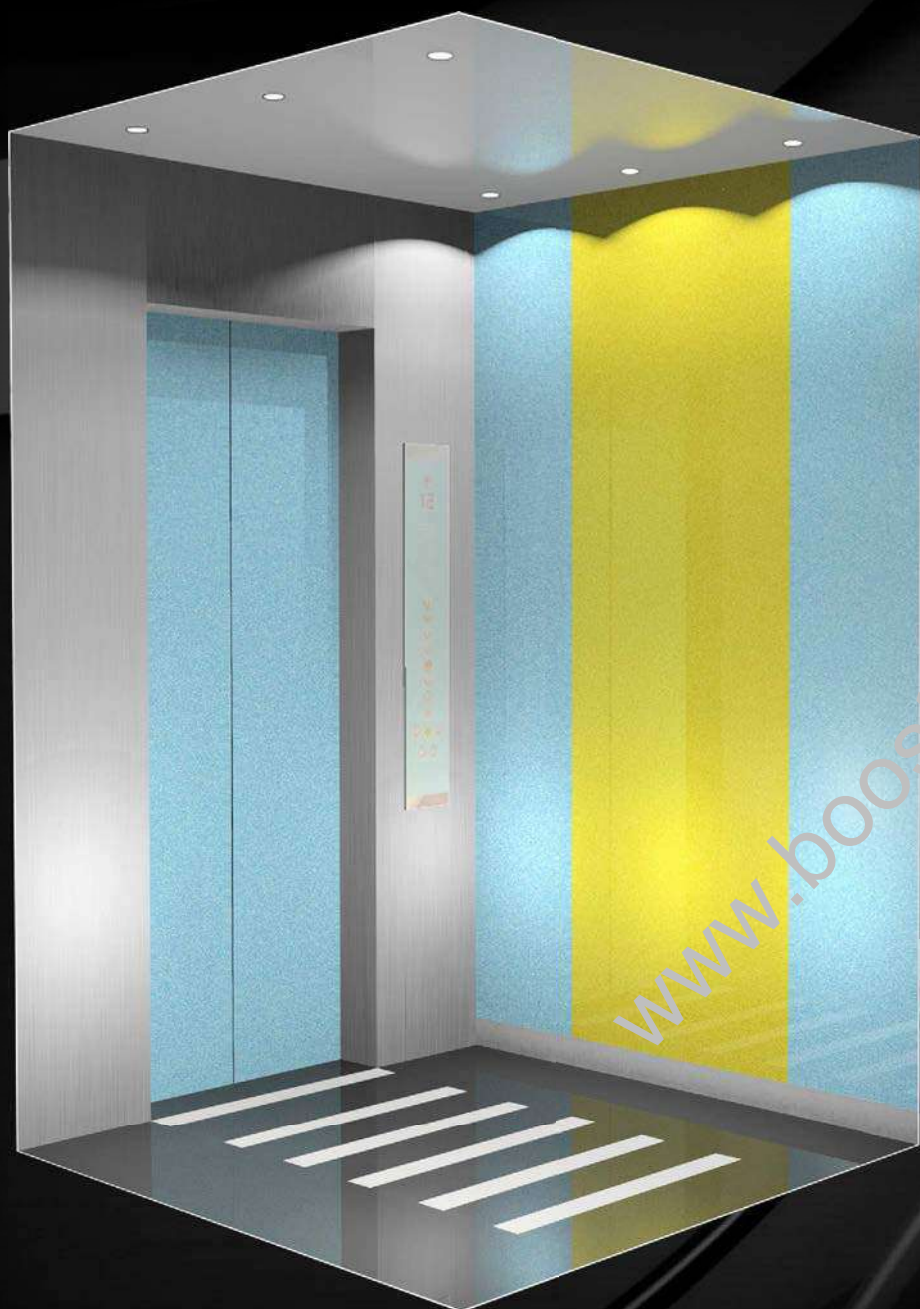


B-Scintilla -RBKS

Passenger Elevator

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B-Scintilla -GBS

Passenger Elevator

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- *Floor: Granite
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B-Scintilla -RGS

Passenger Elevator

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Hall Design I



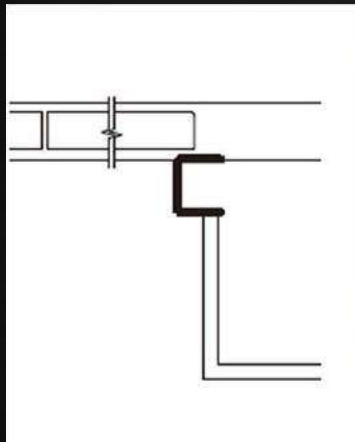
Hall Design II



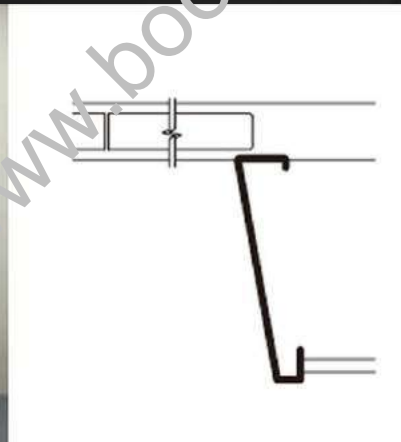
Hall Design III



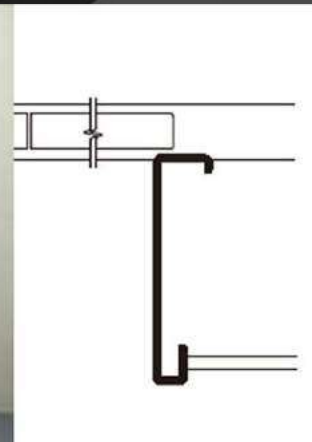
Hall Design IV



Narrow Type Jamb



Wide Type Jamb



Wide type Jamb with Transon





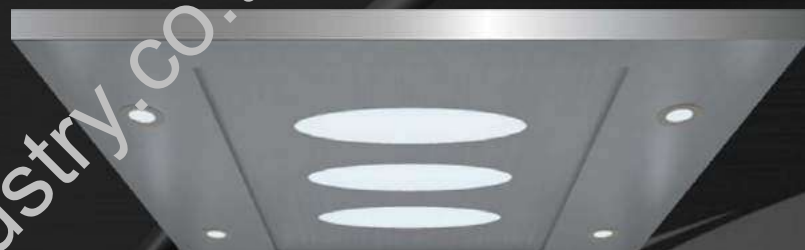
B-Ceiling I (* Option)



B-Ceiling II (* Option)



B-Ceiling III (* Option)



B-Ceiling IV (* Option)



B-Ceiling V (* Option)



B-Ceiling VI (* Option)



B-Ceiling VII (* Option)



B-Ceiling VIII (* Option)



B-Scintilla-Panel Color



R - Color



G - Color



GR - Color



B - Color



DB - Color



WH - Color



BK - Color



GR - Color

B-Hand Rail(* Option)



RO - SS



RO - SMI



RO - SMIG



RE - SS

B-Flooring(* Option)



F - SQ - 1



F - SQ - 2



F - SQ - 3

For Your Lifestyle



CG-451



MG-451



XG-451



BG451



ZG451

B-Smart 451

Operation Panel Passenger Elevator

- *Car Operation Panel,Landing Operation Panel,Landing Display Panel
- *Narrow Frame
- *Ultra-thin Design



CG-311



MG-311



XG-311



ZG311

B-Silver-311

Operation Panel Passenger Elevator

- *Car Operation Panel,Landing Operation Panel, Landing Display Panel
- *Narrow Frame
- *Ultra-thin and Streamline Design



B-Smart 190 (* Option)

Operation Panel Passenger Elevator

*Car Operation Panel,Landing Operation Panel,
Landing Display Panel

*Faceplate is made from tempered glass,with
high-temperature colorful glaze printing

*BLACK and WHITE Color Type



CK191



MK191

XK191



CK192



MK192

XK192



CG401



XG401



BG401



ZG401

B-Smart 401 (* Option)

Operation Panel Passenger Elevator

*Car Operation Panel , Landing Operation
Panel , Landing Display Panel

*With advanced glass drilling technology,
design is artistic and
fashionable.

MG401

For Your Lifestyle

B-Smart 161 (* Option)

Operation Panel Passenger Elevator

*Car Operation Panel,Landing Operation Panel,
Landing Display Panel

*Full - height front - wall swinging type convenient
and maintenance.



CK191(Option)



CK192(Option)



CG401(Option)



For Your Lifestyle

B-Hall Lanterns(* Option)

Hall Lanterns Passenger Elevator

Various Types of Customized Hall Lanterns,with Long Lifespan LEDs.

FT-381

FT-371

FK-217

FK-531

FK-511

FG-391

FK-451

FK-431

FK-212





Europe



EN81



NRTL



ISO14001



North America



ISO9001



China



UL



Q+3



CNAS-L6430



STEP ELEVATOR
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BOOST STEP



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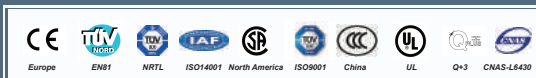
www.boostindustry.co.th

www.boostindustry.co.th



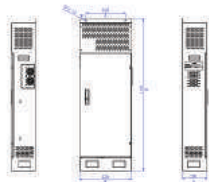
STEP ELEVATOR
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Elevator Controller System



STEP Integrated Controller AS3800-C7000

- Closed-loop vector control.
- New no-load sensor startup compensation technology.
- New PWM dead-zone compensation technology.
- Dynamic PWM carrier modulation technology.
- Applicable for both synchronous and asynchronous motor.
- Dual 32-bit embedded microprocessor.
- CAN-Bus series communication.
- Applicable for residential lift, passenger lift, goods lift, etc.



MODEL

AS380-C7000

Controller Cabinet technical support

Name	Elevator Controller Model AS380-C7000
Power	5.5KW-22KW.
Speed	0.4-2.0 m/s
Max floor	Stops up to 64 Stops
Control method	Full Collecting Control
Communication	CAN-Bus series communication
Applicable main engine	Gearless PM synchronous pulling machine
	Geared IM asynchronous electric motor
Brake voltage	DC110V/AC110V/.....
Connector	Plug and Pin connector
Elevator type	Machine Room and Machine Roomless
Input power	400V three-phase 340-440, 50-60Hz
Installation	On the ground and Wall
Controller cabinet dimension	(w)420x(h)1184x(d)200 mm.

Integrated Controller technical support						Controller Cabinet Dimension(mm.)			
Model	Rated Input Power (V)	Rated Capacity (kVA)	Rated Input (A)	Rated Output (A)	Matching Motor Power (kW)	A	H	W	D
AS380-C7000	380	8.5	13.8	13	5.5	320	1184	420	200
AT05P5		14	19	18	7.5				
AT07P5		18	28.5	27	11				
AT0011		24	36	34	15				
AT0015		29	43	41	18.5				
AT18P5		34	50	48	22				
AT0022									

Elevator Control System Standard Function					
No.	Description of function	No.	Description of function		
1	Collective Control	21	Service Floor Setting	41	Lower Speed Protection
2	Inspection Operation	22	Indicating Symbols Setting for Every Floor	42	Leveling Switch Fault Protection
3	Self-rescue Operation	23	Standstill Service	43	CAN Communication Fault Protection
4	Feeding Mode	24	Independent Mode	44	Safety Edge Protection
5	Check Control	25	Display	45	Brake Switch Contact Disconnection
6	Automatic Control for Door-opening time	26	Fire Emergency Return Running	46	Diagnosis of Failure in Self-Teaching of Shaft Information
7	Open the Door by Landing Call	27	Automatic Correction of Shaft Information	47	Motor Thermal Protection
8	Pre-close the Door-closing Button	28	Elevator Lock-out	48	Door Switch Fault Protection
9	Open The Door by Door-Opening Button	29	Protection against Door-opening outside Door Zone	49	Protection of Door Switch Off in Running
10	Door Mode Selection	30	Gate Curtains Protection for Doors	50	System Mode
11	Next Landing	31	Over-load Protection	51	Leveling Fine-tuning
12	Cancel a Wrong Registration	32	Anti-rubance at Light-load	52	Door Nudging with Buzzer
13	Clear Registrations before Reversing	33	Reversing Protection	53	Door-opening when Standby at Main Floor
14	Direct Landing	34	Burning Time Limiter	54	Floor Blocking within Setting Time Interval
15	By-passing Landing Call When Full-load	35	Fault Protection for Terminal Switch	55	Automatic Inquiry of Landing Call Board
16	Power-off Car Light/Fan when Stand-by	36	Protection Against Terminal Over Travel	56	CAN Communication Interference Evaluation
17	Auto Homing	37	Contact detection for Safety Relays and Contactors	57	Evaluation about Encoder Interference
18	No-close Door	38	Protection Against Safety Circuit Fault	58	Elevator Adjustment in Car
19	Historical Error Log	39	Master CPU Protection by WDT		
20	Self-testing of Shaft information	40	Over Speed Protection		

Elevator Control System Standard Function					
No.	Description of function	No.	Description of function	No.	Description of function
1	Pre-door opening(with SM11-A/B Board)	17	Emergency Operation for Earthquake	17	Noise Reporting
2	Interlocking with Door Open(with SM11-A/B Board)	18	Arrival Gong on Car	18	Load Compensation for Starting
3	Fireman Service Operation	19	Arrival Light on Landing	19	Door-opening Holding Button
4	The Second COP	20	Arrival Gong on Landing	20	Display for Out of Service
5	Near Door COP	21	Separated Control of Car Doors(front & rear)	21	Car Call Controlled by IC Card
6	COP for the Handicapped	22	Priority Service	22	Waiting Call Controlled by IC Card
7	Group Control(with SM-GC Board)	23	Emergency Landing when Power Failure		
8	Community Monitoring	24	Service Floor Controlled by Switch		



MCP-ST/C 0100

STEP Full Serial VVVF Control Cabinet Model MCP-ST/C0100

The control functions are achieved by STEP Full Serial Control System. Humanized functions, i.e. Simplex, Duplex, Group control, Remote monitoring, Emergency rescue, are viable to be realized. Cable cores and cost are reduced efficiently with CAN-Bus Serial communication. More stability and best travel feeling are realized due to excellent VVVF drive system.

Controller Cabinet technical support

Name	Elevator Controller Model MCP-ST/C 0100
Power	5.5kW-45kW
Speed	0.4-4.0 m/s
Max floor	Stops up to 64 Stops
Control method	Full Collecting Control
Communication	CAN-bus series communication
Applicable main engine	Gearless PM synchronous pulling machine
Brake voltage	Geared IM asynchronous electric motor
Connector	DC110V/AC110V.....
Elevator type	Plug and Pin connector
Input power	Machine Room
Installation	400V-three-phase 340-440, 50-60Hz
Controller cabinet dimension	On the ground
Main Controller	(w)650(h)1,450-1,800(d)375 mm.
Compatible Inverter	STEP SM-01-F5021 Board
Safety Standard	STEP AS320 Series Elevator Inverter
	GB7588/EN81

STEP Roomless Full Serial VVVF Control Cabinet

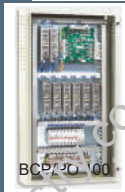
Model MCP-SW/F 0400

The control functions are achieved by STEP Roomless Full Serial Control System and easier to adjust by adopting CAN-Bus Serial Communication. Humanized functions, i.e. Simplex, Duplex, Group control, Remote monitoring, Emergency rescue, make elevator operator safer more reliable.

Controller Cabinet technical support

Name	Elevator Controller Model MCP-SW/F 0400
Power	5.5kW-22kW
Speed	0.4-2.5 m/s
Max floor	Stops up to 64 Stops
Control method	Full Collecting Control
Communication	CAN-bus series communication
Applicable main engine	Gearless PM synchronous pulling machine
Brake voltage	DC110V/AC110V.....
Connector	Plug and Pin connector
Elevator type	Machine Roomless
Input power	400V-three-phase 340-440, 50-60Hz
Installation	On the ground and Wall
Controller cabinet dimension	(w)400(h)2,100(d)260 mm.
Main Controller	STEP SM-01-F5021 Board
Compatible Inverter	STEP AS320 Series Elevator Inverter
Safety Standard	GB7588/EN81

MCP-SW/F 0400



BCP/PO 100

STEP Group Control Cabinet Model BCP/PO 100

The group control functions are achieved by STEP Full Serial Control System.

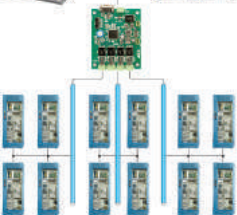
Controller Cabinet technical support

Name	Elevator Group Controller Model BCP/PO 100
Max number of group	3-8 Unit Elevator
Simple configuration	Only one group control board required and CAB-Bus
Max floor	Max elevator 64 floors
Peak hour mode	Applicable to elevator usage in peak hour of public places such office buildings.
Communication	CAN-bus series communication
Balanced running mode	Optimal elevators allocation to minimize waiting time and reasonable and fast elevator response.
Idle running mode	Even distribution of elevator at designated floor in idle time to minimize the reaction time of landing call.
Automatic removal of reluctant elevator	Short reaction time of landing call.

Destination Dispatch System



Elevator Remote Monitoring System



STEP Destination Dispatch System

Super Efficient	Various leading-edge technology applied such as expert system, fuzzy logic, neural network, etc CAN-Bus based, improve dispatching efficiency greatly.
Joy-Journey	By destination dispatching system to guide passengers to the assigned lift, it reduces the average waiting time & long waiting ratio to avoid the crowded lobby and rushing people, which makes them more comfortable.
Cost-Saving	With more efficient dispatching, reducing lift deployment in group for same traffic capacity requirement.
Energy-Saving	Fewer unnecessary stops helps reducing energy consumption in the building.

Support Hybrid & Full DDS Both
Multi-Choice for Destination Selector
Multi-Choice for Destination Indicator

STEP District Monitoring System

- # Supports star and bus connection.
- # 500ms perfect monitoring for 100 units of individual elevator.
- # Real-time fault alarm alert and intelligent trouble shooting.
- # Management based on Multi-level authorization which can be set up by intelligent user software.
- # Multiple interface.

STEP Remote Intelligent Diagnosis System

- # Only 3 Parameters complete debugging.
- # 2-minute vibration curve.
- # Humanized leveling adjustment.
- # Automatically recognize input type (NO/NC).
- # Intelligently recognize the display board address.
- # Remotely assist in controller adjustment.