





ADVANCED  
BUILDING CARE



Classic is a line of hoist products developed by **abc** and manufactured in China its very cost effective compared to other brands.

The high quality and the operational efficiency of Classic cradles as well as the maintenance, service, programs supported by **abc** experienced maintenance, spare parts



## TECHNICAL DATA

TYPE	SL 800
RATED LOAD CAPACITY (Kg)	800
LIFTING SPEED (m/min.)	8
PLATFORM DIMENSION (LxWxH mm)	2000x690x1080
<b>HOIST MOTOR</b>	
TYPE kW	1.8
UNIT WEIGHT (Kg)	54
VOLTAGE	380-220 / 3 PHASE
FREQUENCY (Hz)	60
SPEED (r/min)	1420
BRAKING TORQUE (Nm)	15
<b>SAFETY BRAKE</b>	
TYPE	ANTI-TILT
PERMISSIBLE IMPACT (kN)	20
<b>STEEL WIRE ROPE</b>	
DIAMETER (mm)	8.3
CONSTRUCTION (STRANDS)	4X26
<b>POWER CABLE</b>	
TYPE (CORE)	RUBBER CABLE 5 CORE
<b>PLATFORM</b>	
SIZES AVAILABLE (meter)	1, 2, & 3
MATERIALS	ALUMINUM ALLOY (EXTRUSION)
FINISHING	ANODIZED
<b>END-STIRRUPS</b>	
ASSEMBLY	BOLTS TYPE
MATERIAL	MS STEEL
FINISHING	PAINTED & GALVANIZED

## PLATFORMS COMBINATIONS, WEIGHTS & LOAD CHART

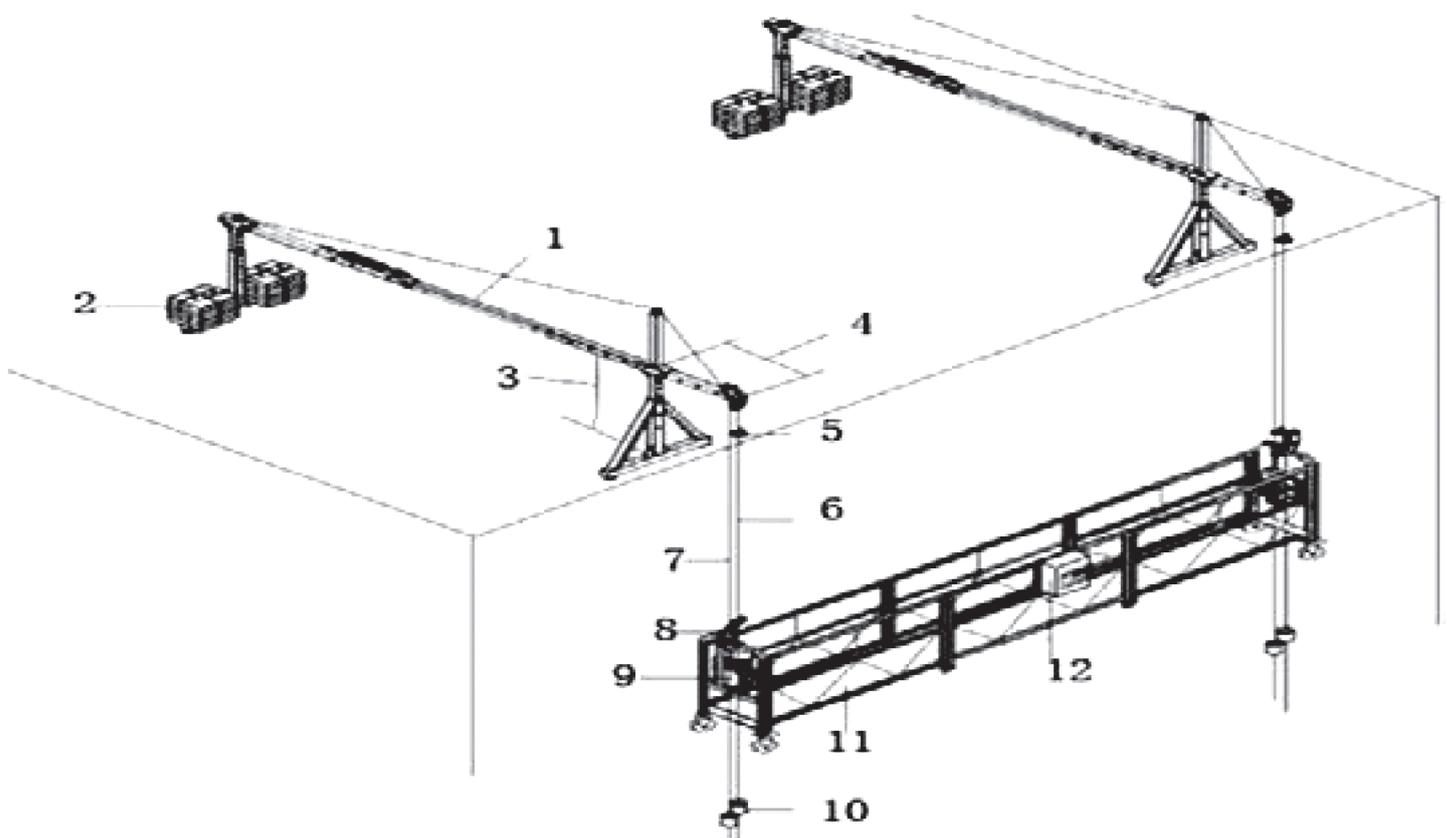
Nominal Length	Actual Length	Composition	Weight (Kg)	Rated Load (Kg)	Person
			CLASSIC 800	CLASSIC 800	CLASSIC 800
1M	1.12M	1	310	120	1
2M	2.12M	2	330	240	2
3M	3.12M	3	350	360	3
4M	4.17M	2 2	390	480	4
		3 1	390	480	4
5M	5.17M	2 3	410	500	4
	5.22M	2 1 2	405	500	4
6M	6.17M	3 3	430	580	5
		2 2 2	465	580	5
		3 2 1	450	580	5
8M	8.22M	3 3 2	495	545	4
	8.27M	2 2 2 2	510	545	4

## 1. Major Technical Parameters:

TYPE		CLASSIC SL 800		
Rated load		Kg	800	
Lifting speed		m/min	8	
Dimension of platform (length×width×height)		Mm	(2000)×690×1080	
Suspension Mechanism	protrusion of front Beam	Mm	1300	
	Height of Front Beam	Mm	1300~2000 ( adjustable )	
Hoist	Type		SL8.0	
	Quantity		Piece	2
	Motor	Type		SL
		Power	Kw	1.8
		Voltage	V	( 380 - 220 ) 60 HZ
		Rotation Speed	r/min	1400
Brake Torque	N-m	15		
Safety Lock	Type		SL20	
	Quantity		Piece	2
	Allowable Impulsive Force	Kn	20	
Weight	Suspension Platform		Kg	386
	Hoist		Kg	54×2
	Safety Lock		Kg	5.5×2
	Electric Control Box		Kg	15
	The Whole Machine		Kg	906
	Counterweight		Kg	900 ( 25×36pcs )
Wire Rope	Type		4×25Fi+PP-Φ8.3 Break Strength	
Power Cable	Type		3×2.5+2×1.5YC-5	

## 2. Introduction to structure of suspended access equipment

The whole suspended access equipment is consisted of the suspension mechanism, suspension platform, hoist, safety lock, working wire rope, safety wire rope, electric control box and electric control system and etc.



- |                                  |                          |
|----------------------------------|--------------------------|
| 1. Suspension mechanism          | 8. Safety lock           |
| 2. Counter weight                | 9. Hoist                 |
| 3. Height of suspended mechanism | 10. Heavy hammer         |
| 4. Front Beam Overhang           | 11. Suspension Platform  |
| 5. Upper limit stopper           | 12. Electric Control Box |
| 6. Working wire rope             |                          |
| 7. Safety wire rope              |                          |

## 2.1 Suspension platform

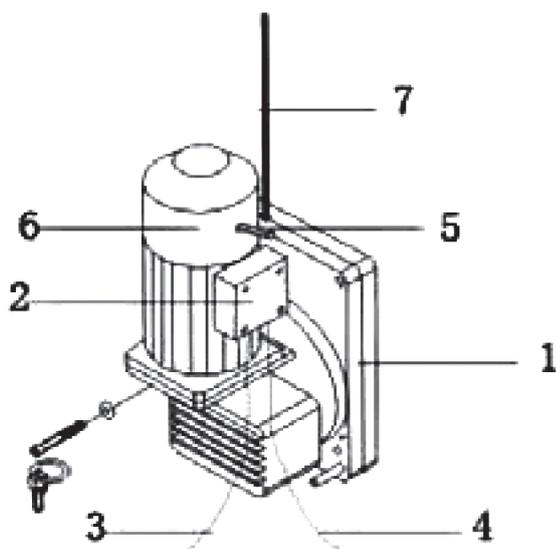
The suspension platform is a suspended closed frame device with the safety guards around, designed to carry the operating staff, tools and materials for work at heights, the suspension platform is of aluminum structure.

## 2.2 Suspension mechanism

The suspension mechanism is a device designed on the top of building to suspend the suspension platform by steel wire ropes. The suspension mechanism is consisted of two suspension brackets with same structure, assembled in pairs.

## 2.3 Hoists

The suspended access equipment is provided the hoist with Power of 1.8KW type(SL800) , which are installed in the erection frames of hoists at both ends of the suspension platform. The hoist is the power facility to drive the suspension platform to move up and down.

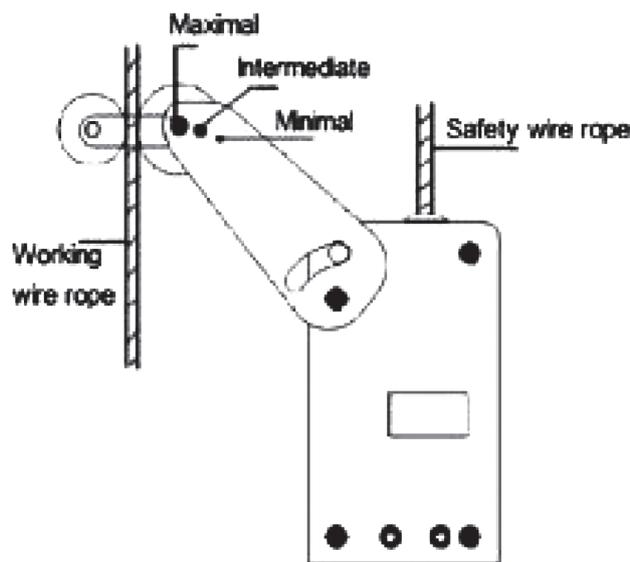


1. Hoist body
2. Electrical box
3. Cable of motor
4. Control cable
5. Handle for falling
6. Motor
7. Working wire rope

## 2.4 Safety lock

The suspended access equipment is provided two safety locks, installed re-spectively in the bracket at the upper of the erection frame for the hoists at both ends of the suspension platform.

Safety lock is the skew- free safety lock; it is actually the device to prevent the suspension platform from falling down by locking the safety wire rope automatically when the suspension platform tilts caused by the broken Working wire rope or fall of one end of the suspension platform.



## 2.5 Working wire rope and safety wire rope

The working wire rope will be used to suspend and lift the suspension plat-form after entering and encircling the hoists; it is actually the carrier of the suspension platform for movement. The safety wire rope will only play a role to prevent the suspension platform from falling or tilting by being clamped by the safety lock when the working wire rope breaks or the sus-pended access equipment becomes tilted, which will then guarantee the operating staff in safe.

## 2.6 Power cable

The power cable is connected between the power supply and electrical box; it is actually the conductor to transmit the electric energy to the suspension platform. The power cable is the 3x2.52+x 1.5 cables with 5-core and rubber sheath, where 3 cables with 2.5mm<sup>2</sup> core wires are used to connect with 380V 3-phase power supply, 2 cables with 1.5mm<sup>2</sup> core wires are used to connect with the zero line and earthing cable

## 3. Electric control system

The electric control system of the suspended access equipment is controlled intently by the electrical box, featuring in convenient operation, safety and reliability.

The hoist of the suspension platform is controlled by the extension cords control switch and control buttons on the electrical box, which are easy to access for operate at any directions.

The electric control system is designed the electrical leakage protection device, emergency stop brake, limit brake, warning ring, limit load control and other various automatic protection device. It is safe and reliable.

## vacuum *glass* lifter

Battery powered vacuum lifters  
for lifting glass sheets



Vacuum pads	Lifting capacity max	Operating system	Load movement	Load movement
4 pads Ø 310 mm	400 kg	Battery powered	Manual tilt 90° Manual rotation 360°	Electric tilt Electric rotation
6 pads Ø 310 mm	600 kg	Battery powered	Manual tilt 90° Manual rotation 360°	Electric tilt Electric rotation
6 pads Ø 310 mm	800 kg	Battery powered	Manual tilt 90° Manual rotation 360°	Electric tilt Electric rotation
6 pads Ø 390 mm	1000 kg	Battery powered	Manual tilt 90° Manual rotation 360°	Electric tilt Electric rotation
6 pads Ø 390 mm	1200 kg	Battery powered	Manual tilt 90° Manual rotation 360°	Electric tilt Electric rotation



Classic Motor



Control Box (Schneider)



Safety Lock



Electrical Hoist



Motorized Trolley



Manual Trolley



**Spare Parts**



**Spare Parts**



**Adjustable Corner**



**Corner 90°**

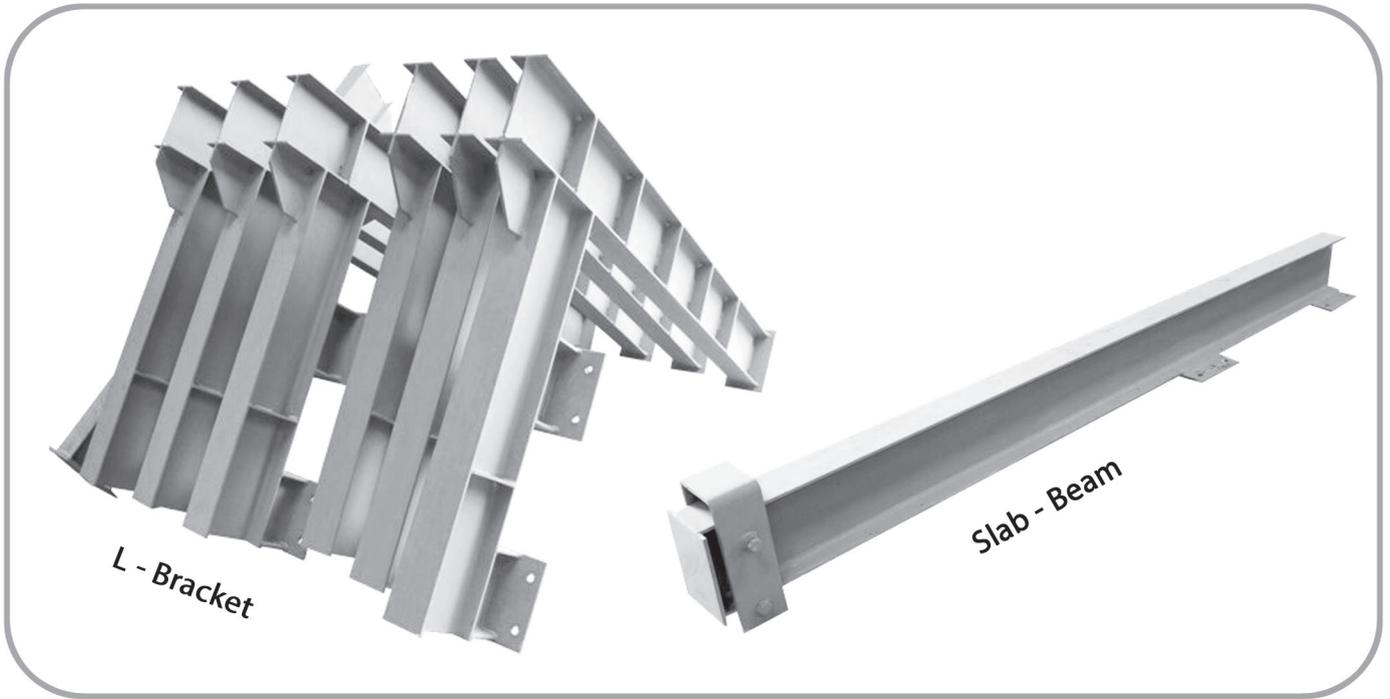


**Special Platform for Mine**



**Platform (1m)**

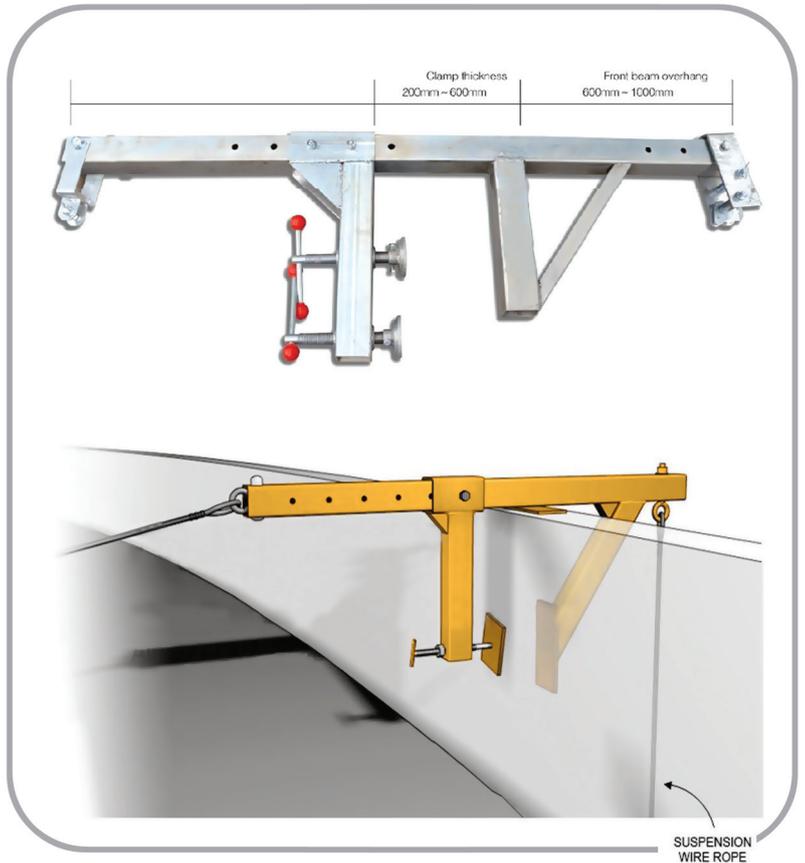




Special Bracket



Parapet Clamp





**Standard Features**

- Aluminum platform basket
- Polyurethane non-mark tires
- Leverage ro-ro device
- Lifting ears
- Two controls of the platform and base
- Lower beeper warning
- Tilting device only AMP40
- Lowering switch
- Outrigger storage frame

**Options Features**

- Door type standard/narrow/wide platform
- Fiber glass platform
- Goods collection platform
- Narrow/Rough ground chassis
- Stairs bracket
- Tool box
- Platform positioning laser lights
- Fluorescent tubes box
- Working flashing beacon
- Top limit protection auto-stop device
- Maintenance-free battery
- Equipment protection cover



**Standard Features**

- Foldable guardrail
- Diagnosis system
- AC wiring to platform
- 4 wheel drive
- Tilt level sensor with an audible alarm
- Lowering alarm
- Horn
- Hour meter
- Emergency pump
- Proportional controls
- Solid rough tire
- Safety brackets

**Options Features**

- Automatic leveling hydraulic outriggers (XDW120RT/XDW150RT)
- Air line to platform
- DC power supply
- Motor cold starting components
- Overload sensor
- Dual flashing beacon
- Moveable alarm components
- Non-mark rough tire



**Mantall®**



**Standard Features**

- XE-C series working height is from 8m (about 26 feet) and 10m (about 32 feet).
- The platform can outreach 1m (XE-C series).
- Compact design, XE-C series can be easily passed single standard door, the length about platform can be the same with XE-W series. The length can be 3.2m after the extended.
- The min. lift capacity is 230kg, max. lift capacity is 350kg
- Proportional controls for lift and drive functions.
- Automatic 25 Amp battery charger provides strong power for vehicle.
- Safe distance protection when the platform lowering down. (CE)
- Manual Emergency platform lowering valve, when there is no power, the machine can be safely lower down.
- Emergency stop at both platform and ground controls.
- Drive speed interlock limits speed while elevated.
- Multiple disc brakes provide smooth deceleration.
- When there is no power, manual brake release function can move the machines under the circumstances when there is no other forklift, lifting equipment and so on.
- Pothole guards protect the machine don't tilting down when the machine moved on the raised position.
- Non-marking tires make sure there is no damage and no marks on the ground.
- AC wiring to platform
- Tilt level sensor with an audible alarm
- Beeper horn
- Hour meter
- Safety brackets
- Battery charge indicator
- Forklift pockets
- Diagnosis system
- Extended platform

**Options Features**

- Motion alarm
- Platform swing gate
- Air line to platform
- Dual flashing beacon
- Maintenance-free battery
- Horn
- Platform work lights
- Foldable platform
- Key-type lock sliding door
- Anti-collision system
- Top limit protection auto-stop device



**Standard Features**

- Proportional controls
- Self-lock gate on platform
- Extended platform
- Drivable at full height
- Non marking tire
- 4x2WD
- Explosion-proof of the tubing
- Automatic brake system
- Emergency lowering system
- Emergency stop button
- Tilt sensor with alarm
- All motion alarm
- Horn
- Hour meter
- Safety brackets
- Forklift pockets
- Charger protection
- Flashing beacon

**Options Features**

- Overload sensor with alarm
- AC power to platform
- Single extension platform



**Standard Features**

- Aluminum platform basket
- Polyurethane non-mark tires
- Forklift pockets
- Foldable inclined ladder
- Two controls of the platform and base
- Lower beeper warning
- Reversal platform
- Lowering switch
- Outrigger storage frame

**Options Features**

- Door type wide platform
- Extendable platform
- Narrow/Rough ground chassis
- Wide chassis
- DC power
- Tool box
- Platform positioning laser lights
- Fluorescent tubes box
- Working flashing beacon
- Top limit protection auto-stop device
- Auxiliary drive wheel
- Maintenance-free battery
- Equipment protection cover



**Standard Features**

- Self-leveling platform
- Hydraulic rotation platform
- Hall effect fully proportional controls
- Driving confirm
- AC wiring to platform
- Horn
- Hour meter
- Tilt alarm
- Positive traction drive
- Dual speed motor
- Emergency pump
- CAN intelligent control
- Overload limited

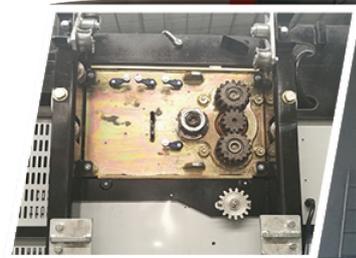
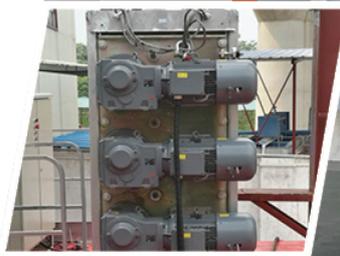
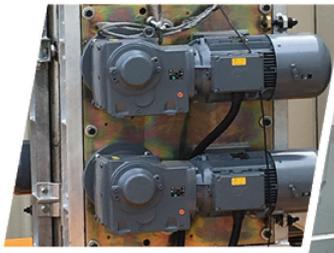
**Options Features**

- 2.4m platform
- Swing axis
- Platform swing gate
- Platform alternate leverage
- Welder connecting packages
- Welder wire connecting to the platform
- Air line to the platform
- Hydraulic oil cooler
- Hostile environment packages
- Anti-crash air packages
- Tool tray
- Alarm packages
- Platform work lights

# Building Hoist

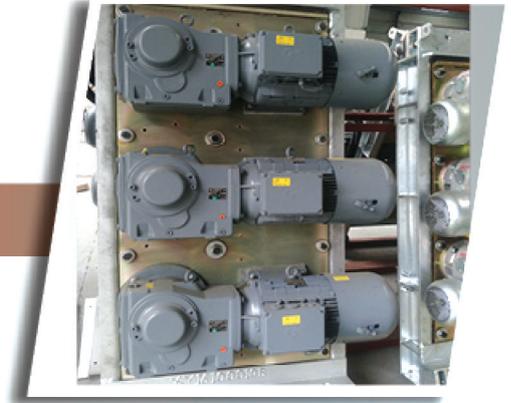


Model (single cage/Twin cage)	Pay-load (kg)	Lifting Speed (m/min)	Max. lifting height (m)	Motor power /P.C. (kW)	Freq. power (kW)
SC200GD, SC200/200GD	2000	0~36	600	3×11	37
SC200GD, SC200/200GD	2000	0~46	600	2×11 ▲	45
SC200GZ, SC200/200GZ	2000	0~63	600	3×11 ▲	75
SC200GS, SC200/200GS	2000	0~96	600	3×18.5 ▲	110
SC100GD, SC100/100GD	1000	0~36	600	2×11	30
SC100GD, SC100/100GD	1000	0~46	600	2×7.5 ▲	30
SC100GZ, SC100/100GZ	1000	0~63	600	2×11 ▲	45
SC100GS, SC100/100GS	1000	0~96	600	2×18.5 ▲	75
SC120GD, SC120/120GD	1200	0~36	600	2×11	30
SC120GD, SC120/120GD	1200	0~46	600	2×9.2 ▲	37
SC120GZ, SC120/120GZ	1200	0~63	600	2×11 ▲	45
SC120GS, SC120/120GS	1200	0~96	600	2×15 ▲	55
SC270GD, SC270/270GD	2700	0~46	600	3×11 ▲	75
SC270GZ, SC270/270GZ	2700	0~63	600	3×15 ▲	90
SC270GS, SC270/270GS	2700	0~96	600	3×22 ▲	132
SC320GD, SC320/320GD	3200	0~46	600	3×15 ▲	90
SC320GZ, SC320/320GZ	3200	0~63	600	3×18.5 ▲	110

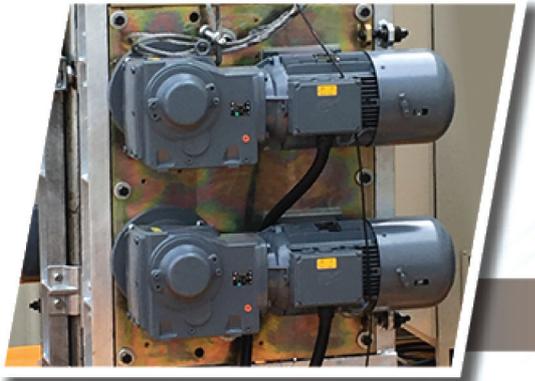


# Driving Machinery For Building Hoist

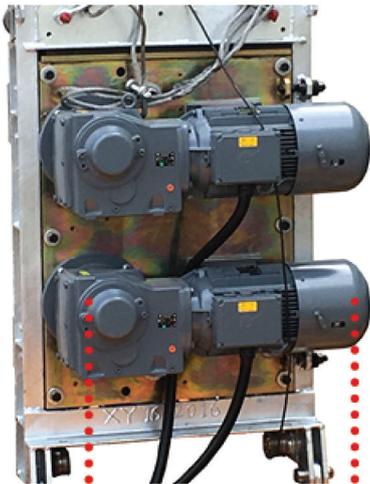
Three motor



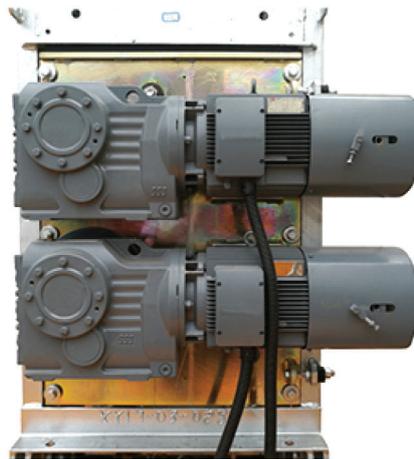
Two motor



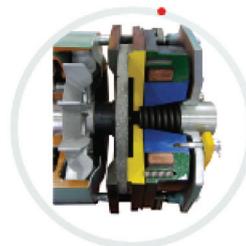
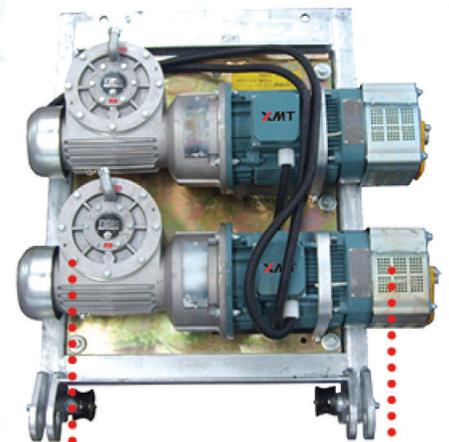
NORD/SEW motor(Bevel gear)



Chinese motor(Bevel gear)



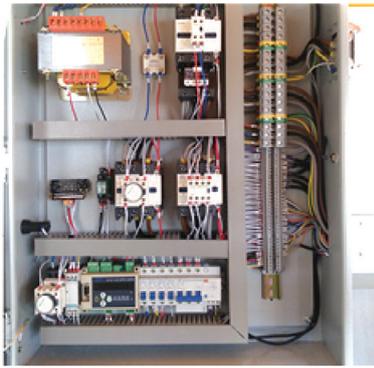
Chinese motor(Worm gear)



**Frequency inverter cabinet**



**Normal electric box**



**Siemens inverter**



**Schneider inverter**



**Chinese inverter**



**Manual landing (Siemens LOGO)**



**Automatic landing (Siemens PLC and Encoder)**



## Hand Pallet Truck



## STEEL BENDING STEEL CUTTING



## Hoist with Electric trolley



### Technical Parameters

Model	HSY										
	0.5-01S	01-01S	01-02S	1.5-01S	02-01S	02-02S	2.5-01S	03-01S	03-02S	03-03S	05-02S
Capacity(Ton)	0.5	1	1	1.5	2	2	2.5	3	3	3	5
Lifting Speed(m/min)	7.2	6.8	3.6	8.8	6.6	3.4	5.6	5.6	3.3	2.2	2.8
Motor Power(kw)	1.1	1.5	1.1	3.0	3.0	1.5	3.0	3.0	3.0	1.5	3.0
Rotation speed(r/min)	1440										
Insulation Grade	F Level										
Travelling speed(m/min)	Slow11m/min & Fast21m/min										
Power Supply	3-Phase 380V 50 Hz										
Control Voltage	24V 36V 48V										
NO.of Load Chain	1	1	2	1	1	2	1	1	2	3	2
Spec.of Load Chain	φ 6.3	φ 7.1	φ 6.3	φ 10.0	φ 10.0	φ 7.1	φ 11.2	φ 11.2	φ 10.0	φ 7.1	φ 11.2
Net Weight (kg)	47	65	53	108	108	73	115	115	131	85	145
I-Beam(mm)	75-125	75-178	75-178	82-178	82-178	82-178	100-178	100-178	100-178	100-178	112-178







ADVANCED  
BUILDING CARE

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