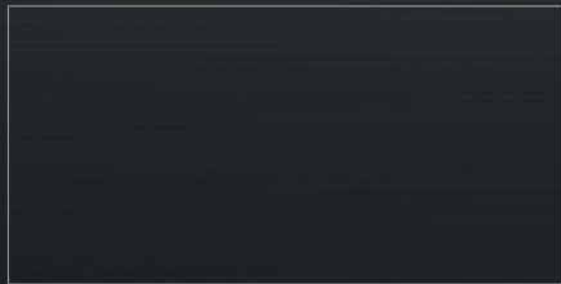


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杭州瑞瑞机电设备有限公司



www.truemax.cn
www.hoist-truemax.com



About us

Hangzhou TRUEMAX Machinery & Equipment Co., LTD has been established in 2003, includes production factories, trading division, specialized in designing, developing, and manufacturing Construction Equipment, Concrete Machinery& Technologies.

In order to guarantee TRUEMAX quality control, ISO 9001:2008, and other international certificates were acquired and granted. Our products and services are closely aligned with the work flows and plans of our customers. We offer a wide-ranging portfolio, combining premium-quality products with first-class services.

Based on the solid cooperation with all national Institute of Building technology, TRUEMAX has made a substantial progress in developing new products and improved quality, which enables us to sustain a huge market share in the worldwide including EU, Americas, Middle East and Africa(more than 120 countries) with respected reputation.

As a professional supplier of construction equipment, TRUEMAX provide our customers with the best engineer solution for lifting. We design and optimize the correct model of equipment according to different project.



Technical Data of SC Series General Hoist

| Model | Classification | Capacity(kg) | Lifting Speed(m/min) | Motor Power(kw) |
|-------------|----------------|--------------|----------------------|-----------------|
| SC100TD | Single Cage | 1000 | 36 | 2×11 |
| SC150TD | | 1500 | 36 | 2×15 |
| SC200TD | | 2000 | 36 | 3×11 |
| SC300TD | | 3000 | 36 | 3×15 |
| SC100/100TD | Double Cage | 2×1000 | 36 | 2×2×11 |
| SC150/150TD | | 2×1500 | 36 | 2×2×15 |
| SC200/200TD | | 2×2000 | 36 | 2×3×11 |
| SC300/300TD | | 2×3000 | 36 | 2×3×15 |

Technical Data of SC Series Frequency Convertible Hoist

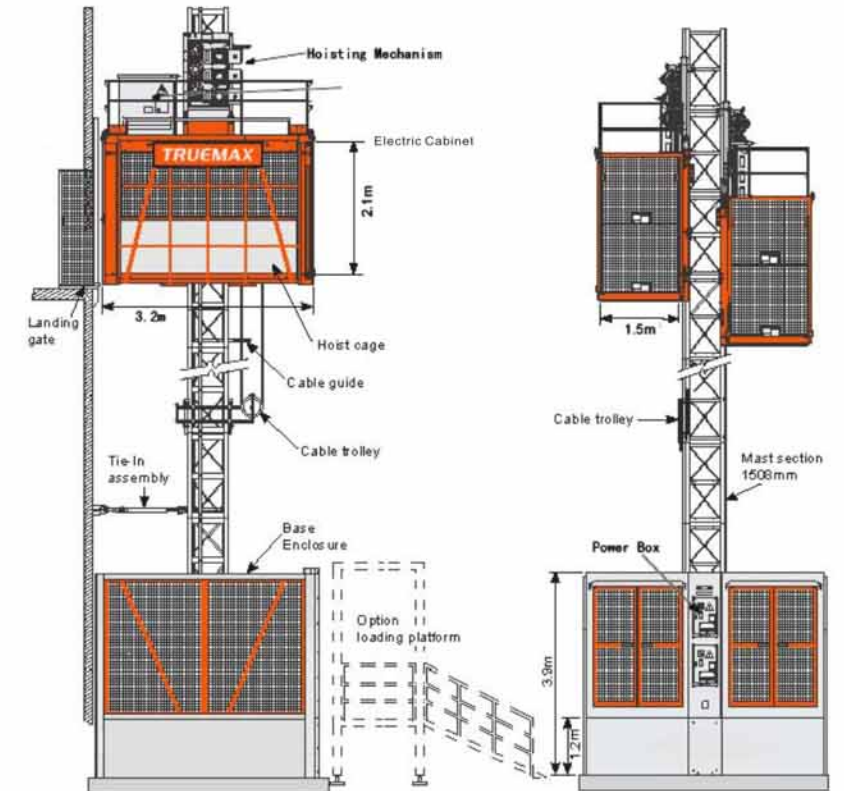
| Model | Classification | Capacity(kg) | Lifting Speed(m/min) | Motor Power(kw) |
|--------------|----------------|--------------|----------------------|-----------------|
| SC100TDV | Single Cage | 1000 | 0-36 | 2×11 |
| SC200TDV | | 2000 | 0-36 | 3×11 |
| SC300TDV | | 3000 | 0-45 | 3×15 |
| SC100/100TDV | Double Cage | 2×1000 | 0-36 | 2×2×11 |
| SC200/200TDV | | 2×2000 | 0-36 | 2×3×11 |
| SC300/300TDV | | 2×3000 | 0-45 | 2×3×15 |
| SC100GZ | Single Cage | 1000 | 0-63 | 3×15 |
| SC200GZ | | 2000 | 0-63 | 3×18.5 |
| SC300GZ | | 3000 | 0-60 | 3×18.5 |
| SC100/100GZ | Double Cage | 2×1000 | 0-63 | 2×3×15 |
| SC200/200GZ | | 2×2000 | 0-63 | 2×3×18.5 |
| SC300/300GZ | | 2×3000 | 0-60 | 3×18.5 |
| SC100G | Single Cage | 1000 | 0-96 | 3×15 |
| SC200G | | 2000 | 0-96 | 3×18.5 |
| SC100/100G | Double Cage | 2×1000 | 0-96 | 2×3×15 |
| SC200/200G | | 2×2000 | 0-96 | 2×3×18.5 |

Remark

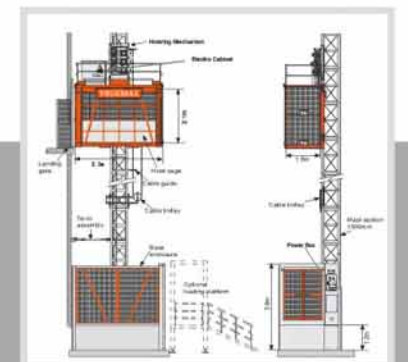
- * Standard cage dimension(L×W×H)(mm): 3200×1500×2100
Available cage dimension(L×W×H)(mm): 2500×1300×2500; 3000×1300×2500; 3600×1500×2500; 4200×1500×2500
Other special dimension can be made according to requirements of clients.
- * Capacity, lifting speed etc can be selected according to requirements of clients.
- * Mast section (650mm*650mm*1508mm, 4.5mm) is applicable for the height ≤150M.

Structure of Building Hoist

Double Cage



Single Cage



The fashion of frequency inverter for building hoist

Thanks to the advantage of frequency inversion technique and decreasing production cost, the frequency inversion techniques are applied in nearly all electrical equipments, ranging in size from home appliances, such as washing machine and air-conditioner, to all kinds of heavy-duty mechanical equipments, all of which have stepped into the era of frequency inversion - environmental, energy saving and efficient.

TUREMAX is the initiator and manufacturer of frequency convertible control hoist(VFD),the enormous construction market pushes us to take active part in the field of frequency inversion application.TRUEMAX is one of the earliest manufacturers to develop and apply the frequency convertible control hoist. the advantage of frequency inversion is featured in two aspects including energy saving and long service life. This advantage is illustrated by the following parameters, performances and index of three different configured hoists

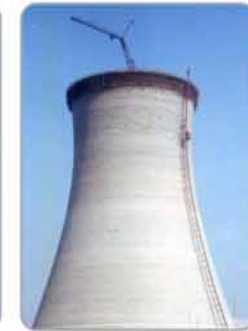


Comparison of TRUEMAX SC200/200 series hoists

| Model | | General low speed domestic motor & reducer | VFD Low speed domestic motor & reducer | VFD Low speed imported motor & reducer |
|--|-------|--|--|--|
| Item | Unit | Parameter, index and instruction | | |
| Rated load capacity | kg | 2000 | 2000 | 2000 |
| Max installation height | m | 150 | 450 | 450 |
| Lifting speed | m/min | 36 | 0~36 | 0~36 |
| Motor power | kw | 3×11 | 3×11 | 2×11 |
| Motor working system | | S3-25% | S3-25% | S1-100% |
| Speed ratio of reducer | | 1:16 | 1:16 | 1:23 |
| Inverter power | kw | — | 45 | 37 |
| Up going acceleration time | s | — | 5 | 5 |
| Down going acceleration time | s | — | 2 | 2 |
| Motor rated current | A | 70.5 | 70.5 | 72.4 |
| Startup instantaneous current | A | 350~490 | <70 | <58 |
| Full load up going current | A | <76 | <70 | <58 |
| Full load down going current | A | >48 | <1.5 | <1.5 |
| Ratio of energy saving | | — | >30.5% | >32% |
| Service life for wearable parts(estimated value) | | | | |
| Small pinion | Month | 6 | 12 | 12 |
| Small roller wheel | Month | 6 | 12 | 12 |
| Brake piece | Month | 6 | 18 | 18 |
| Rack | Year | 2 | 4 | 4 |
| Power consumption per month(estimated value) | | | | |
| Ammeter(8h×30day) | kw*h | 11712 | 8160 | 7960 |
| Percentage of power consumption | | 100% | 69.70% | 68% |

Curved and Inclined Building's Hoist

| Type | | Payload(kg) | Lifting Speed(m/min) | Adaptable angle |
|---------------------------|------------|-------------|----------------------|-----------------|
| Curved Building's hoist | SCC60 | 600 | 33 / 0-60 (VFD) | -8°— +21° |
| | SCC120 | 1200 | 33 / 0-60 (VFD) | -10°— +25° |
| Inclined Building's hoist | SCI160/160 | 2*1600 | 33 / 0-60 (VFD) | |
| | SCI200/200 | 2*2000 | 33 / 0-60 (VFD) | |



Double Mast (heavy) Building Hoist

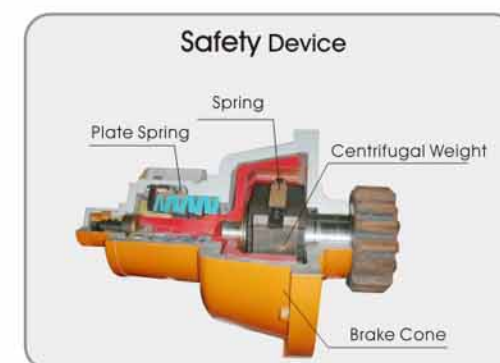
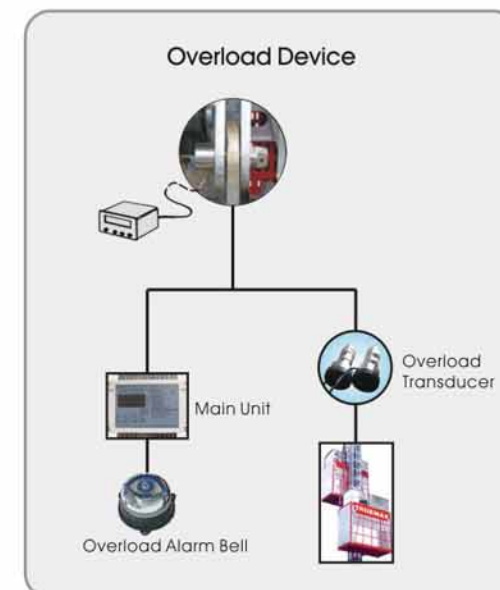
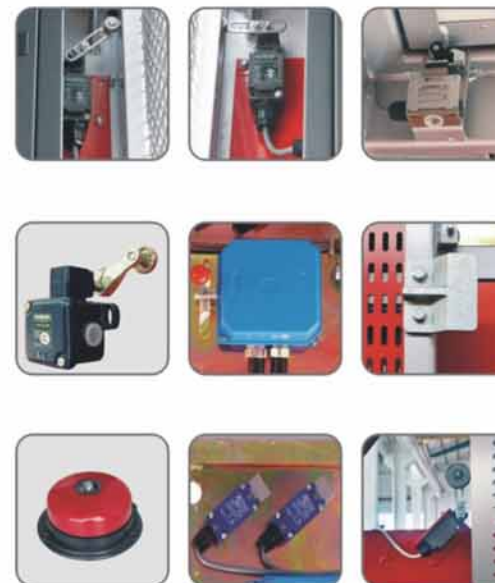
| Type | Payload(kg) | Lifting Speed(m/min) |
|---------|-------------|----------------------|
| SCH300 | 3000 | 8 |
| SCH500 | 5000 | 8 |
| SCH800 | 8000 | 8 |
| SCH1000 | 10000 | 8 |

Remark:

- * The cage size can be manufactured according to user's requirements.
- * The cage and the door material can adopt steel knitted mesh, galvanized plate, punched-plate,
- * Figured board or other type according to user's requirements.
- * Both domestic and imported SEW driving systems are available.



Safety Devices for the Building Hoist



The SC series hoist of TRUEMAX are reliable with a whole set of safety devices. Mainly include: upper and lower travel limit, upper and lower final limit, cage door electrical and mechanical interlock devices, landing door electrical and mechanical interlock devices, anti-roof collapse devices, anti-doffing safety hook, buffer spring, over-loading protective devices, safety device, etc.

The safe design is completely compliance with the China National Standard, and also fit to Hongkong COP Standard and Europe EN12159:2000 standard.

Optional Devices for The Building Hoist

Calling System



Because of the calling system adopts wire/wireless telecommunications, its anti-jamming capability is powerful and its stability is well.
Number and speech show the calling landing in the cage.

Automatic Landing System

Using the numeric keypad set floor, the cage is automatic for running, slowing down and stopping to the setting floor, so it's convenient for the drivers to operate the hoist.
Manually operation/automatic stopping layer can transform freely, so its reliability is much higher.



Automatic Lubricating System

Automatically lubricate moving parts, such as rack and pinion, etc.
Automatically alarm if the oil box is lack of oil.
It is very convenient to set lubricating time freely according to working needs.



Building Hoist Features



Hoist Cage Inside(Standard)



Hoist Cage Inside(VFD)



Safety Device Plate



Ramp Exit Door



Side Door



Landing Door



Standard Drive Machinery



Control Console



Cable Socket



Enclosure Cage(Galvanized)

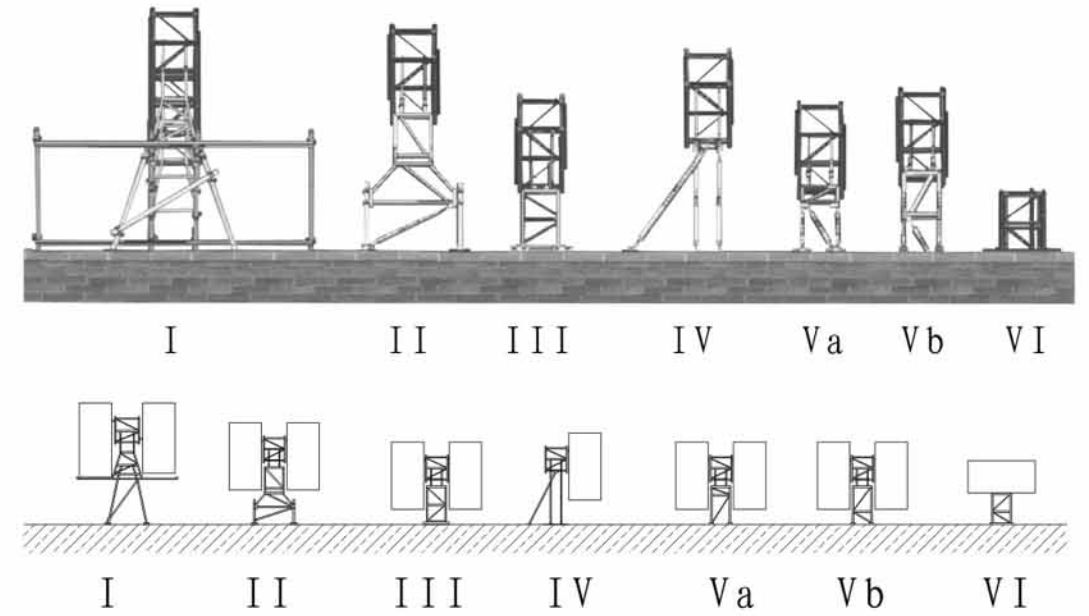


Base Frame

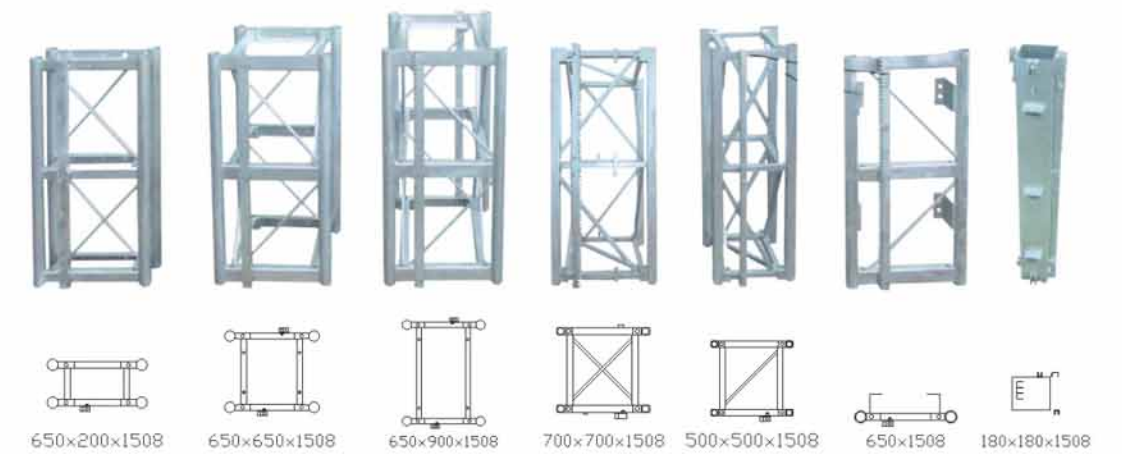


Counterweight Cover

Tie-in



Mast Section



Building Hoist Parts



Hoist Common Spare Parts

| NO | Part No | Item | NO | Part No | Item |
|----|------------|--------------------|----|-----------|-----------------|
| 01 | RA-120B | Brake Piece | 11 | MAC-79 | Coupling |
| 02 | DL100-G2 | Roller | 12 | RA-10 | Brake Disc |
| 03 | DL100-G1 | Roller | 13 | MAC-8 | Rubber Coupling |
| 04 | DL100-GD | Carriage Roller | 14 | RA-14 | Motor Fan |
| 05 | CAM-3 | Counter Roller | 15 | WG-19 | Worm Gear Fan |
| 06 | ML100-10 | Gate Roller | 16 | SAJ40-2.0 | Safety Device |
| 07 | LM130-10 | Little Rope Pulley | 17 | SE | 3-phase Switch |
| 08 | MAC-020-TD | Pinion | 18 | SL-TD | Limit Switch |
| 09 | ZJ100-10 | Rack | 19 | OLE | Overload Device |
| 10 | RA-7 | Electromagnet | 20 | CSB | Hander Switch |



SUSPENSION PLATFORM

| MODEL | ZLP100 | ZLP200 | ZLP300 | ZLP500 | ZLP630 | ZLP800 | ZLP1000 |
|-----------------------------------|----------|----------|----------|----------|----------|----------|-----------|
| Height | 100M | | | | | | |
| Rated load(kg) | 100 | 200 | 300 | 500 | 630 | 800 | 1000 |
| Length of platform(m) | 1 | 2 | 3 | 5 | 6 | 7.5 | 7.5/10 |
| Safety lock type | LST20 | LST20 | LST20 | LST20 | LST20 | LST20 | LST20 |
| Holst model | LTD5.0 | LTD5.0 | LTD5.0 | LTD5.0 | LTD6.3 | LTD8.0 | LTD10.0 |
| Volume(m³) | 1.9 | 2.1 | 2.3 | 2.8 | 2.9 | 3.2 | 3.6/4.0 |
| 20' container(pcs) | 20 | 16 | 12 | 10 | 10 | 9 | 8 |
| Counter weight(kg) | 25X16PCS | 25X16PCS | 25X24PCS | 25X32PCS | 25X36PCS | 25X40PCS | 25X44PCS |
| Diameter of steel rope(mm) | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.6 | 9.1 |
| Voltage(v) | 380 | 380 | 380 | 380 | 380 | 380 | 380 |
| Weight(kg)(aluminum alloy) | 1140 | 1170 | 1400 | 1650 | 1750 | 1930 | 2250 |
| Weight(kg)(steel) | 1170 | 1220 | 1500 | 1740 | 1890 | 2100 | 2560/2670 |
| Weight(kg)(steel with galvanized) | 1170 | 1220 | 1500 | 1740 | 1890 | 2100 | 2560/2670 |

- * The length of platform can be adjusted within 1m-10m
- * The working height can be adjusted with your need
- * The voltage can be adjusted with your need



ZLP800 Double-rack Aluminum Alloy Suspension Platform



Arc ZLP Series



90 Degree ZLP Series



Wider Market

It is used for exterior construction, decoration, cleaning and maintenance of high rise building, a substitute of traditional scaffold, an ideal machine the welding of seagoing ship in shipbuilding industry, cleaning of oil-based paint, installation of elevators, big size tanks and high chimneys, and inspection, cleaning and repairing of bridge.



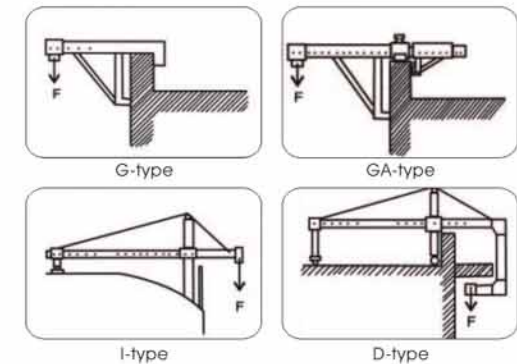
Lower Cost

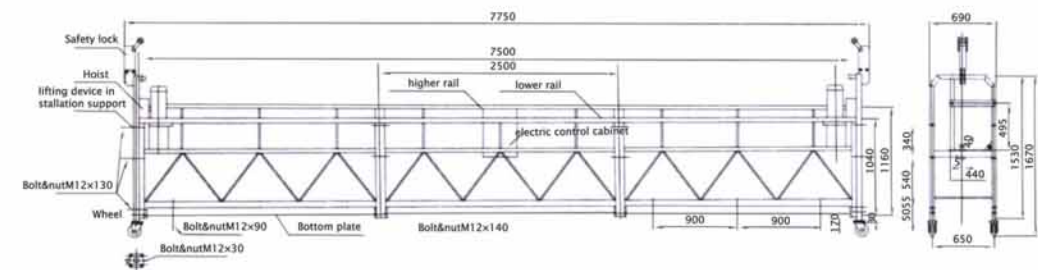
The suspension can sharpen the builders' competitive edges through by dramatically reducing the operation period, saving the cost and expenditures by 90% and enhancing the labor productivity by three times, while its price is kept as low as one third of those similar equipment from other countries.



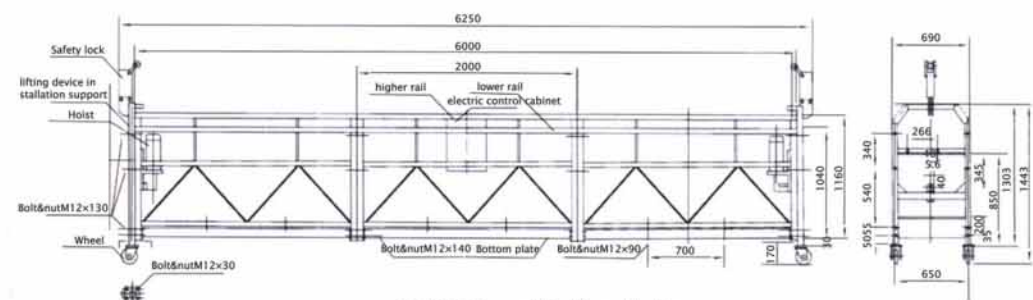
Lifting Suspending Mechanism

1. The height of the platform can be adjusted within 1150-1800mm with arm which can be stretched out and draw back. It can be widely used for parapet and complicated building in different height. And we can also supply customized platform to meet different requirements from the customers.
2. Rated stretch of the front beam: 1500mm
3. Rated suspending load: 8KN*2
4. The distance between front support and the rear one: 4600mm
5. In addition to provide general used handing mechanism, we also can supply the special suspending mechanism-parapet wall, device, according to various buildings, structure (As following drawing)

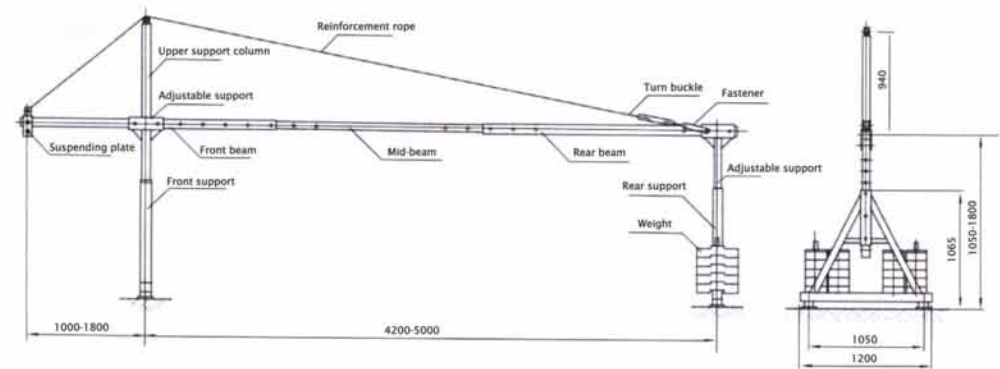




ZLP800 Type Working Platform



ZLP630 Type Working Platform



ZLP Series Hanging Mechanism



| HOIST UNIT | LTD6.3 | LTD8.0 |
|------------------------|--------------|--------------|
| Adjusted Specification | ZLP630 | ZLP800 |
| Rated Lifting Load | 6.3KN | 8KN |
| Lifting Speed | 9.6+0.5m/min | 8.3+0.5m/min |
| Motor Power | 1.5kw | 2.2KW |
| Steel Wire Rope Dia | 8.3mm | 8.6MM |

| Safety Lock | LST20 |
|-------------------------------|-----------|
| Adjusted Specification | All Model |
| Allowable Compact Force | 20KN |
| Adjusting Range of Rope Angle | 3°-8° |
| Rope Lock Dstance | |

| Electric Control Cabinet | |
|--------------------------|-----------|
| Brand | Schneider |
| Adjusted Specification | All Model |

| Wire Rope Winder | |
|------------------------|-------------------|
| Motor Power | 0.37kw |
| Adjusted Specification | All Model[Option] |

Wearing Parts



| Cradle Common Spare Parts | | | | | |
|---------------------------|-----------|------------------------|----|---------|-----------------|
| NO | Part No | Item | NO | Part No | Item |
| 01 | 63.1 | Rope Pressing Device | 06 | 63-E1 | Electromagnet |
| 02 | 63.3 | Steel Belt | 07 | 63-E2 | Brake Piece |
| 03 | 63-2 | Rope Divider | 08 | 63-E5 | Fuse |
| 04 | 63-3/63-4 | Cover Plate/Base Plate | 09 | 63-E8 | Rectifier |
| 05 | 63-5 | Rope Outlet Pipe | 10 | 63-1 | Rope Inlet Pipe |



BUILDING HOIST AND SUSPENSION PLATFORM

PROJECT CASE