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PRODUCT CATALOGUE

SERVO CHAIN HOIST

VARIABLE FREQUENCY CHAIN HOIST

STATION SMART HOIST



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Fast



Accurate



Stable

ABOUT US

Zhejiang Jinzhou Electromechanical Technology Co., Ltd. is a subsidiary of Zhejiang New Folinn Co., Ltd., which is the key of the servo motors and light hoist with a provincial-level high-tech enterprise.

We process a series of high-performance and high-efficiency smart hoist with the professional research and development team according to the core drive technology of our parent company and our own servo motor technology. The core products include station smart hoist, servo chain hoist and variable frequency chain hoist, which are suitable for the light lifting and handling industry.

At the same time, the company making effort in practical applications. Provide customers with safe, efficient, and user-friendly plan.

In the future, we will still persist in innovation. The technology and quality will continue to strengthen. We will persist in working hand in hand with customers to create brilliance together.



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Innovation Leads The Future

Controller

1. Accurate positioning: Zero-speed servo function, lifting the work pieces smoothly, with a speed control ratio of up to 1:1000. And a minimum lifting speed can achieve 0.05m/min (zero speed start), which makes it easier to control the work pieces without vibration and noise.
2. Wide speed servo range and efficient operation: When unloaded or below 10% of the rated load, can reach the fastest lifting (1.9 times higher than the normal speed)
3. Diverse interfaces adapt to various control signal, which is flexible.

Encoder

1. Adopting a high-resolution magnetic encoder with fast response rate.
2. Long life.
3. High control accuracy, achieving precise positioning.

Gearbox

All shift position in the gearbox are engaged with helical gears. So noise is effectively reduced. And Operation is smooth. Product life is extended.

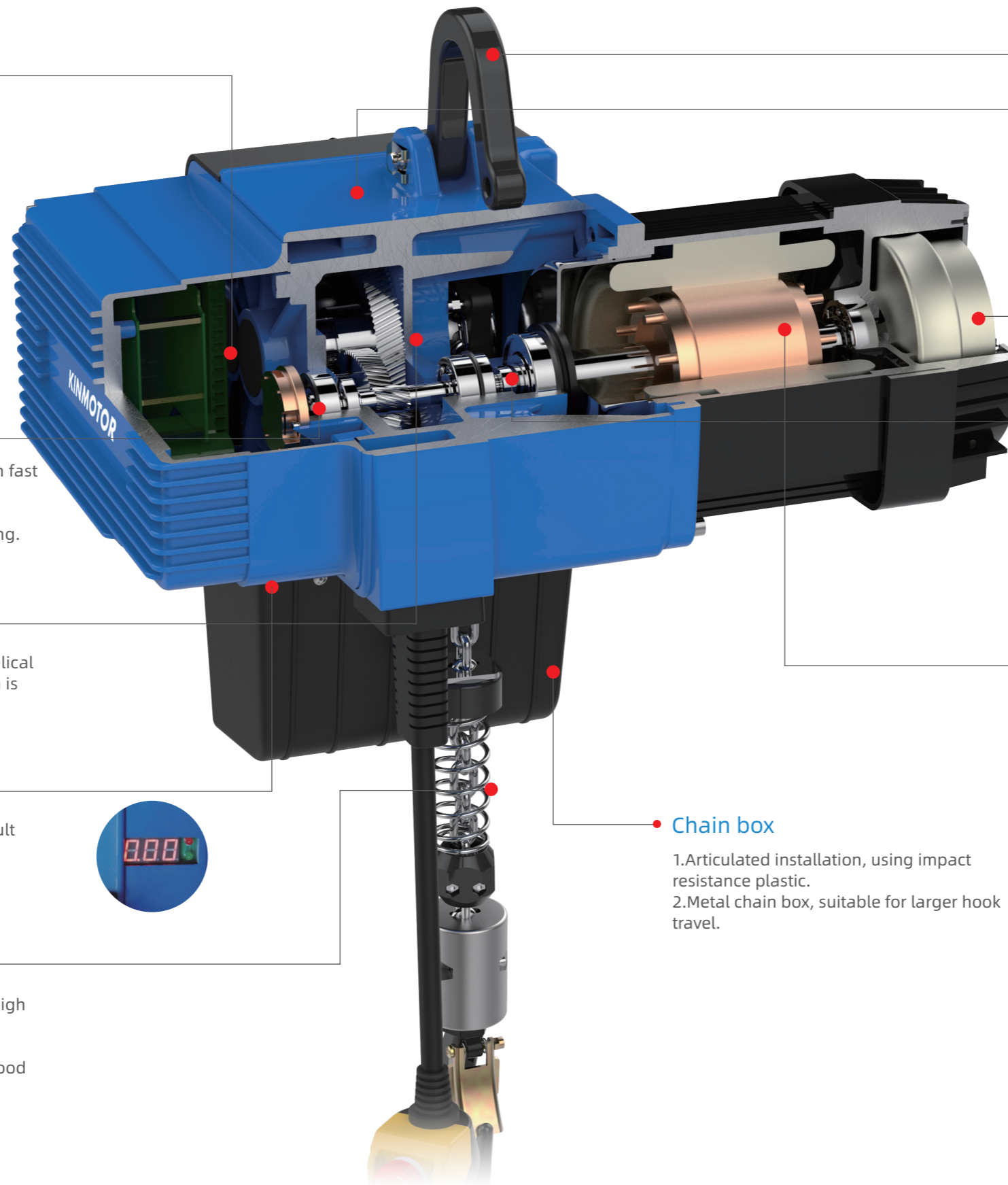
Status Display Screen

Display of current operating speed (n.nn m/min), fault status, and other information.



Round Steel Chain

1. High strength and aging resistant materials with high surface strength.
2. After special surface treatment to prevent rust.
3. Can select additional rust protection, suitable for food industry and extreme dust environments.



Shell

The sturdy and lightweight Aluminum alloy shell adopts modern industrial design.

Hange

Articulated suspension and smaller hook size C, which can optimize headroom.

Direct Connection Structure

1. Adopting a direct connection structure, there will be no slippage and ensuring control precision.
2. Through special algorithms of servo control, electronic clutch technology is implemented to provide reliable protection against overload situations.

Servo Motor

1. Specially designed servo motor for lifting, which can achieve lifting at zero speed (under rated load state) and accurately controlling the speed.
2. Without fan, ample power margin.

Electromagnetic Brake

1. Fully utilizing the characteristics of servo controlled electronic brakes. At the same time, it adopts electromagnetic brake, no shaking during the lifting process, ensuring smooth operation and safe braking.
2. The combination of electronic brake and electromagnetic brake can fully reduce the wear of the brake pads. The life of the electromagnetic brake and the entire equipment has been extended.

Chain box

1. Articulated installation, using impact resistance plastic.
2. Metal chain box, suitable for larger hook travel.

D2 Series Servo Chain Hoist



Optional Handle



E3 Remote Stepless Handle

Wireless Remote Controller

Product Brief

It adopts aluminum shell, which is lightweight and sturdy. Adopting low headroom, servo drive control and special servo motors, which can fully utilize advantages of hoist.

The direct connection method of the motor shaft ensures stable lifting without slipping, and adopts overload protection of motor control technology to ensure the safety and reliability of the system. The hoist has wide speed range and high accuracy. The minimum speed is 0.05m/min. The equipment is safe and reliable with complete protection functions and fast response speed. The control interface is diverse, making it easy for various workstations to control, especially suitable for high-precision assembly.

Product Features

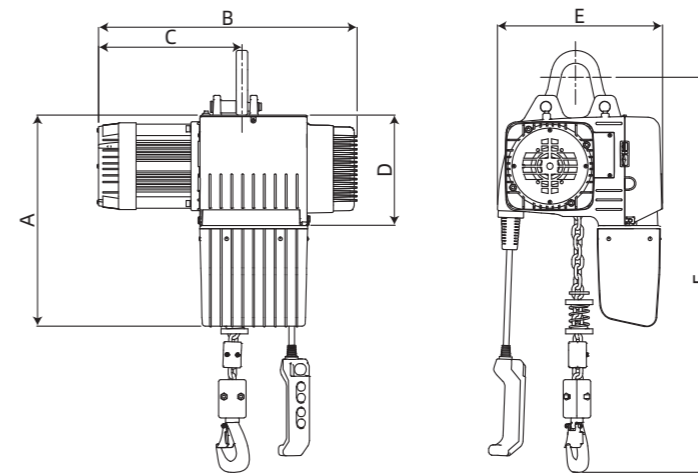
- ◆ Specially designed servo motor for smooth operation performance.
- ◆ The system has soft limit, reducing the risk of collision and providing flexible working range.
- ◆ Stepless speed change and accurate positioning. It has wide speed range and high accuracy. The minimum speed can reach 0.05m/min.
- ◆ Low noise. Smooth operation without vibration. High precision.
- ◆ The design of electronic friction clutch can maximize the life of the entire machine. And it does not require maintenance.
- ◆ Diverse interfaces, adaptable to various interface.

Product Specifications And Dimensions

| Model | D2C012 | D2C025 | D2C050 | D2C100 | D2C200 |
|-----------------------------------|---|--------|--------|--------|---------------------|
| Item name | | | | | |
| Maximum load(Kg) | 125 | 250 | 500 | 1000 | 2000 (Double chain) |
| Standard speed (m/min) | 0-12 | 0-12 | 0-10 | 0-8 | 0-4 |
| Customized speed (m/min) | 0-20 | 0-20 | 0-17 | 0-15 | 0-7.5 |
| Rated power(KW) | 0.75 | 0.75 | 1.1 | 2.2 | 2.2 |
| Vertical maximum stroke(m) | 4/5/8/11(customizable) | | | | |
| Control mode | Wire control button/remote control button | | | | |
| Self Weight(Kg) | 25 | 25 | 32 | 52 | 62 |
| Chain specifications(mm) | 5.0 | 5.0 | 6.3 | 7.1 | 7.1 |
| Voltage | standard 380V(optional 220V) | | | | |
| Working level of the organization | M6 | M6 | M6 | M5 | M5 |
| Working temperature(°C) | -10°C~55°C | | | | |

Note: The above data is for selection reference only, and the actual data based on the product nameplate.

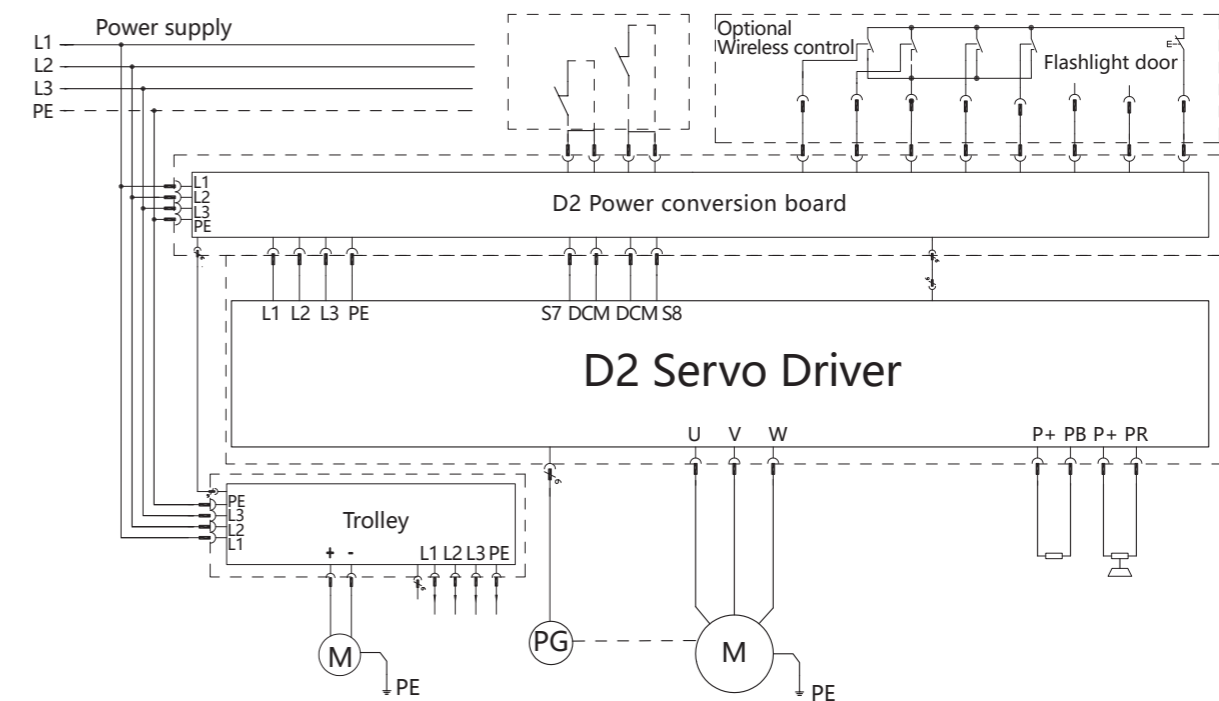
Product Specifications And Dimensions



Outline Dimension Parameter Table (Unit: mm)

| Model | A | B | C | D | E | F |
|--------|-----|-----|-----|-----|-----|---------|
| D2C012 | 346 | 424 | 219 | 167 | 296 | h < 470 |
| D2C025 | 346 | 424 | 219 | 167 | 296 | h < 470 |
| D2C050 | 350 | 468 | 260 | 188 | 313 | h < 480 |
| D2C100 | 446 | 546 | 303 | 233 | 349 | h < 590 |
| D2C200 | 446 | 546 | 303 | 233 | 349 | h < 650 |

Wiring Diagram



Note: For reference only, the actual line is subject to the product manual.

D2 Series Variable Frequency Chain Hoist



Optional Handle



Wireless Remote Controller

Product Brief

It adopts aluminum shell, which is lightweight and sturdy. Adopting low headroom, servo drive control and special servo motors, which enable to achieve function of adjustable speed. At low speeds, it can be lower than half of the conventional gear. At high speeds, it can be higher than 50% of the conventional gear. Smooth operation and low vibration during lifting. The operation has no impact, low failure rate and complete protection functions, enable it has long product life. And multiple reserved interfaces, which is convenient for automation control.

Product Features

- ◆ Customized frequency conversion drive and variable frequency motor, which is reliable and stable.
- ◆ The system has soft limit, reducing the risk of collision and providing flexible working range.
- ◆ Speed range (customizable), can be 1/2 lower than conventional gear at low speeds, and 50% higher than conventional gear at high speeds (when rated load is less than 10%)
- ◆ Low noise. Smooth operation without vibration. High precision.
- ◆ Comprehensive and multiple protection functions ensure safe and stable operation.
- ◆ Compared to traditional hoist, it has faster response speed, more reliable operation, lower malfunctions rate, and longer product life.
- ◆ And multiple interfaces reserved for automation control.
- ◆ It is equipped with a built-in remote control module, which can control the electric trolley and large trolley.

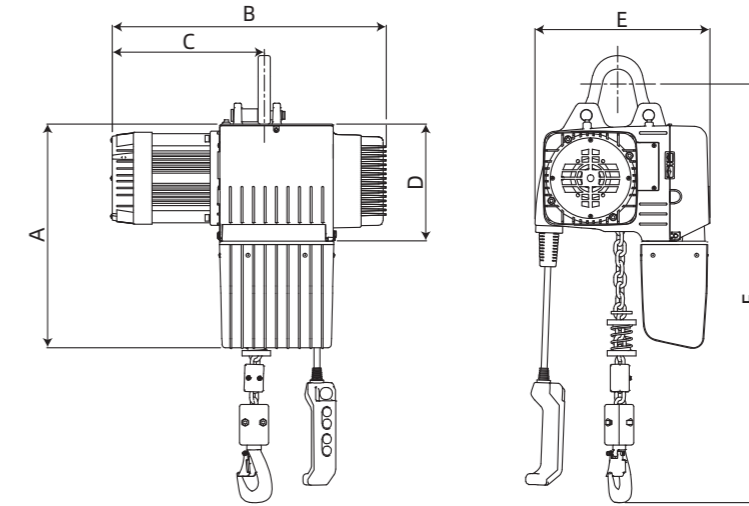
Product Specifications And Dimensions

| Item name | Model D2B012 | D2B025 | D2B050 | D2B100 | D2B200 |
|-----------------------------------|---|--------|--------|--------|--------------------|
| Maximum load(Kg) | 125 | 250 | 500 | 1000 | 2000 (Double rope) |
| *lifting speed(m/min) | 1/12 | 1/10 | 1/8 | 1/8 | 0.5/4 |
| Rated power(KW) | 0.75 | 0.75 | 1.1 | 2.2 | 2.2 |
| Vertical maximum stroke(m) | 4/5/8/11(customizable) | | | | |
| Control mode | Wire control button/remote control button | | | | |
| Self Weight(Kg) | 25 | 25 | 32 | 52 | 62 |
| Chain specifications(mm) | 5.0 | 5.0 | 6.3 | 7.1 | 7.1 |
| Voltage | standard 380V(optional 220V) | | | | |
| Working level of the organization | M6 | M6 | M6 | M5 | M5 |
| Working temperature(°C) | -10°C~55°C | | | | |

*1. The speed data is for reference only, based on the product nameplate;
 2. The fastest and slowest speed can be customized according to needs.

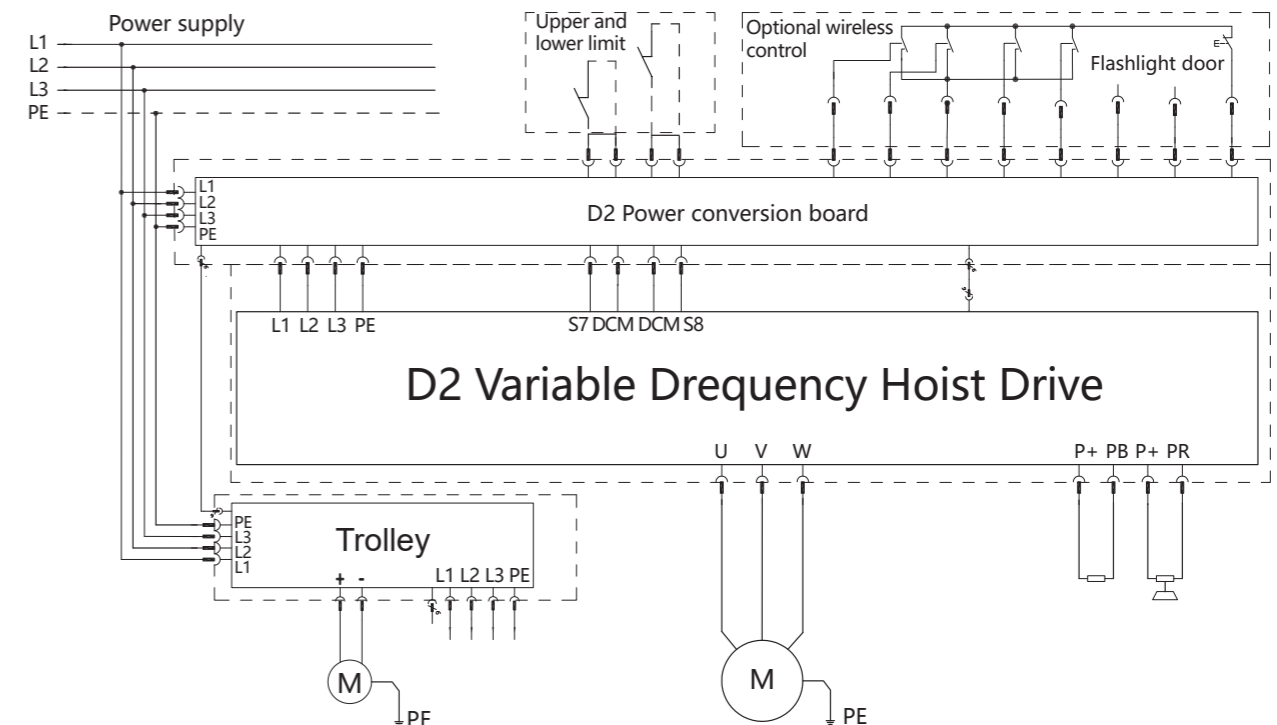
Note: The above data is for selection reference only, and the actual data based on the product nameplate.

Product Specifications And Dimensions



| model | A | B | C | D | E | F |
|--------|-----|-----|-----|-----|-----|---------|
| D2B012 | 346 | 424 | 219 | 167 | 296 | h < 470 |
| D2B025 | 346 | 424 | 219 | 167 | 296 | h < 470 |
| D2B050 | 350 | 468 | 260 | 188 | 313 | h < 480 |
| D2B100 | 446 | 546 | 303 | 233 | 349 | h < 590 |
| D2B200 | 446 | 546 | 303 | 233 | 349 | h < 650 |

Wiring Diagram



Note: For reference only, the actual line is subject to the product manual.

D3 Series Station Smart Hoist



Product Brief

It adopts aluminum shell, which is lightweight and sturdy. And we have a unique patented technology, servo system controlled by industrial processors, which help D3 series station smart hoist improve lifting speed and assembly accuracy. It combines high technology and human action instructions, which makes it easier to move heavy object. Jinzhou smart hoist can maximize production efficiency and reduce the physical strength of worker. At the same time, it can reduce product damage rate and industrial accident.

Product Features

01 HANDLE/SUSPENSION DUAL MODE

- Handle mode:**
According with ergonomics. Person with one hand can operate.
- Suspension mode:**
It can move easily through handle. It can also directly move the item to precise position.

02 STEPLESS SPEED CHANGE/CONTROLLABLE SPEED

- The speed change according to the action speed of operators. It is suitable for situation that require different speed to achieve precise position.

03 PRECISE POSITIONING FUNCTION

- Enable operator to move precise equipment and fragile products accurately and smoothly.

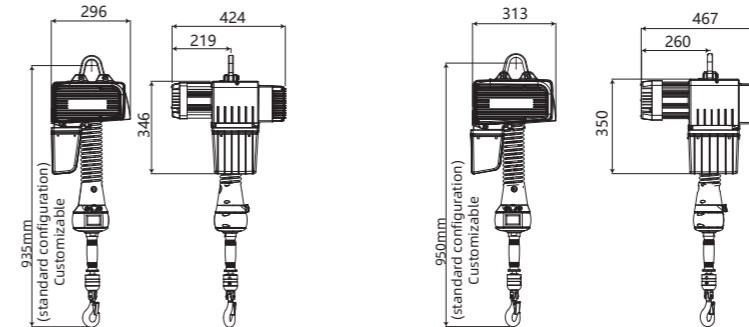
04 SAFE AND RELIABLE

- Overload protection function:**
Automatic weight induction system. It will give an alarm and stop working when it senses overload.
- Photoelectric induction function:**
There is an integrated photoelectric sensor in the handle. Only after sensing that the operator is in place can the device be operated, which can prevent accidental contact.
- Anti rebound function:**
Prevent sudden changes in weight from causing movement and rebound, which can eliminate potential security risks.
- Power off protection function:**
When the power supply fails, the safety brake automatically locks, the load will not fall.
- Soft limit function:**
The system has soft limit, reducing the risk of collision and providing flexible working range.

Product Specifications And Dimensions

| Item name | Model | D3L012 | D3L025 | D3L050 |
|-----------------------------------|-------|------------------------------|--------|--------|
| Maximum load(Kg) | | 125 | 250 | 500 |
| *lifting speed(m/min) | | 0-16 | 0-12 | 0-10 |
| Rated power(KW) | | 0.75 | 0.75 | 1.1 |
| Vertical maximum stroke(m) | | 2.8(customizable) | | |
| Control mode | | Coaxial sliding handle | | |
| Self Weight(Kg) | | 27 | 27 | 36 |
| Chain specifications (mm) | | 5.0 | 5.0 | 6.3 |
| Voltage | | standard 380V(optional 220V) | | |
| Working level of the organization | | M5 | M5 | M5 |
| Working temperature(°C) | | -10°C~55°C | | |

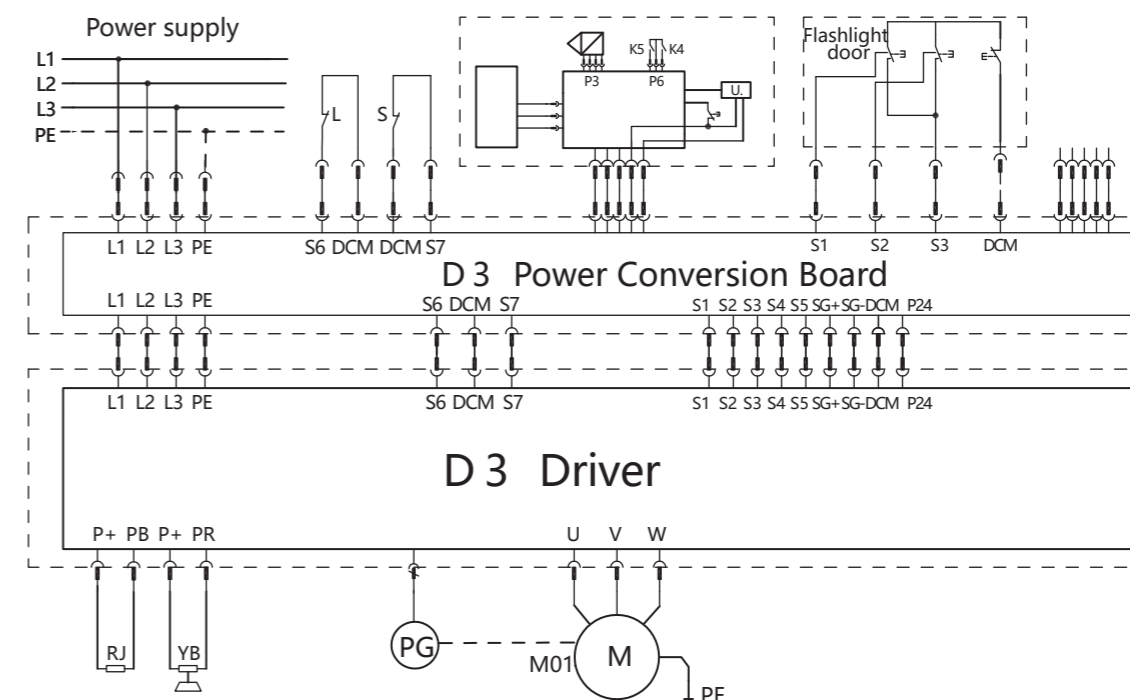
*1. The speed data is for reference only, based on the product nameplate;
2. The fastest and slowest speed can be customized according to needs.
Note: The above data is for selection reference only, and the actual data based on the product nameplate.



D3L012/D3L025 series product size

D3L050 series product size

Wiring Diagram



Note: For reference only, the actual line is subject to the product manual.

D3 Series handheld Station Smart Hoist



Product Features

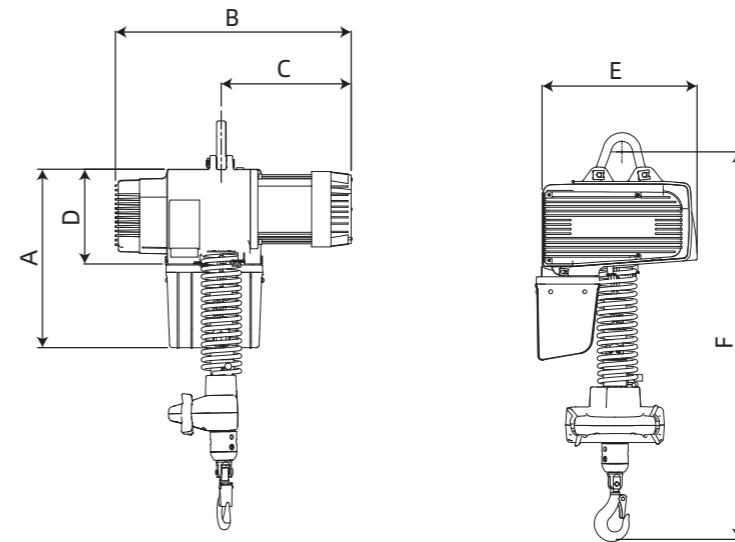
- ◆ The system has soft limit, reducing the risk of collision and providing flexible working range.
- ◆ Handle design adopts ergonomic, so it is comfortable. Equipped with double-side control paddles. It can easily be controlled by one hand. And both hands can switch freely.
- ◆ Stepless speed change enable millimeter level movement. Not only can achieve precise position, but also have smooth operation. Fully utilize the fast, accurate and stable characteristics of smart hoist.
- ◆ Suitable for various workstation. Not only reduce labor intensity but also achieve smart assembly. At the same time, it can ensure working efficiency.

Product Specifications And Dimensions

| Item name | Model | D3L012-F | D3L025-F | D3L050-F |
|-----------------------------------|-------|--|----------|----------|
| Maximum load(Kg) | | 125 | 250 | 500 |
| *lifting speed(m/min) | | 0-12 | 0-10 | 0-8 |
| Rated power(KW) | | 0.75 | 0.75 | 1.1 |
| Vertical maximum stroke(m) | | 2.8(customizable) | | |
| Control mode | | Handheld continuously variable transmission handle | | |
| Self Weight(Kg) | | 23 | 23 | 32 |
| Chain specifications (mm) | | 5.0 | 5.0 | 6.3 |
| Voltage | | standard 380V(optional 220V) | | |
| Working level of the organization | | M5 | M5 | M5 |
| Working temperature(°C) | | -10°C~55°C | | |

*1. The speed data is for reference only, based on the product nameplate;
 2. The fastest and slowest speed can be customized according to needs.
 Note: The above data is for selection reference only, and the actual data based on the product nameplate.

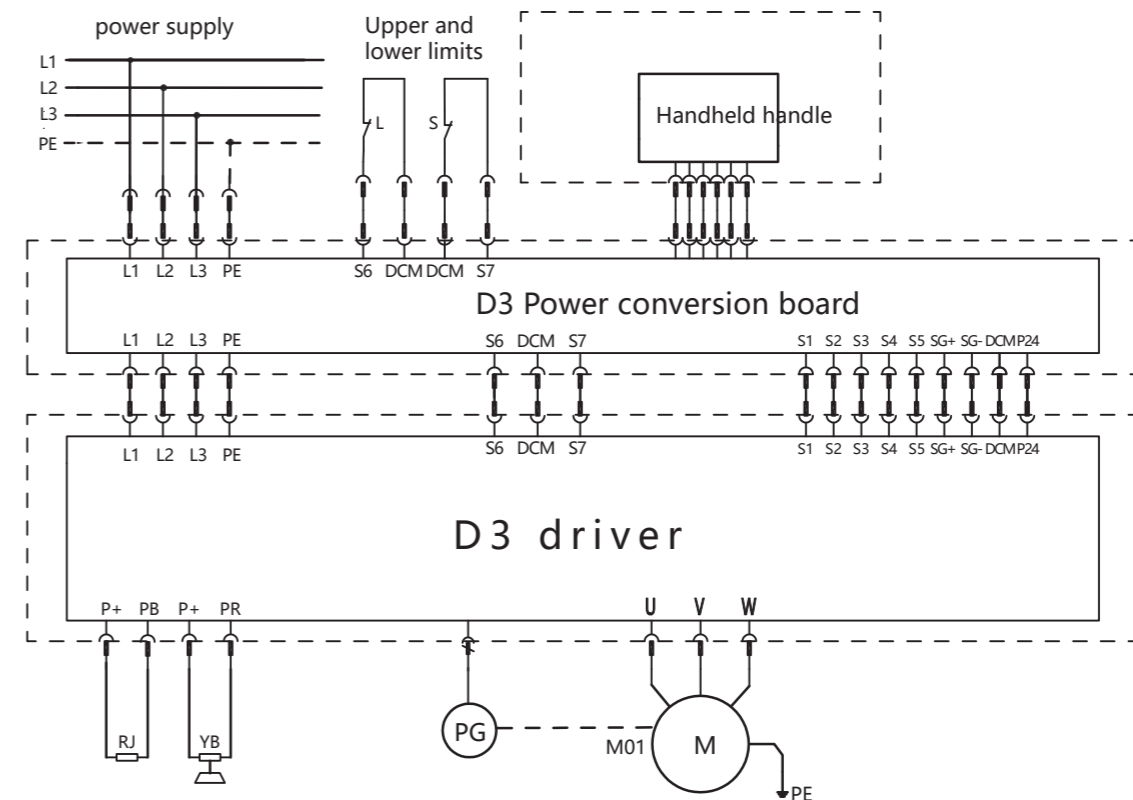
Product Specifications And Dimensions



Outline Dimension Parameter Table (Unit: mm)

| model | A | B | C | D | E | F |
|----------|-----|-----|-----|-----|-----|---------|
| D3L012-F | 346 | 424 | 219 | 167 | 296 | h < 780 |
| D3L025-F | 346 | 424 | 219 | 167 | 296 | h < 780 |
| D3L050-F | 350 | 468 | 260 | 188 | 313 | h < 790 |

Wiring Diagram



Note: For reference only, the actual line is subject to the product manual.

Q5 Series Station Smart Hoist



Product Features

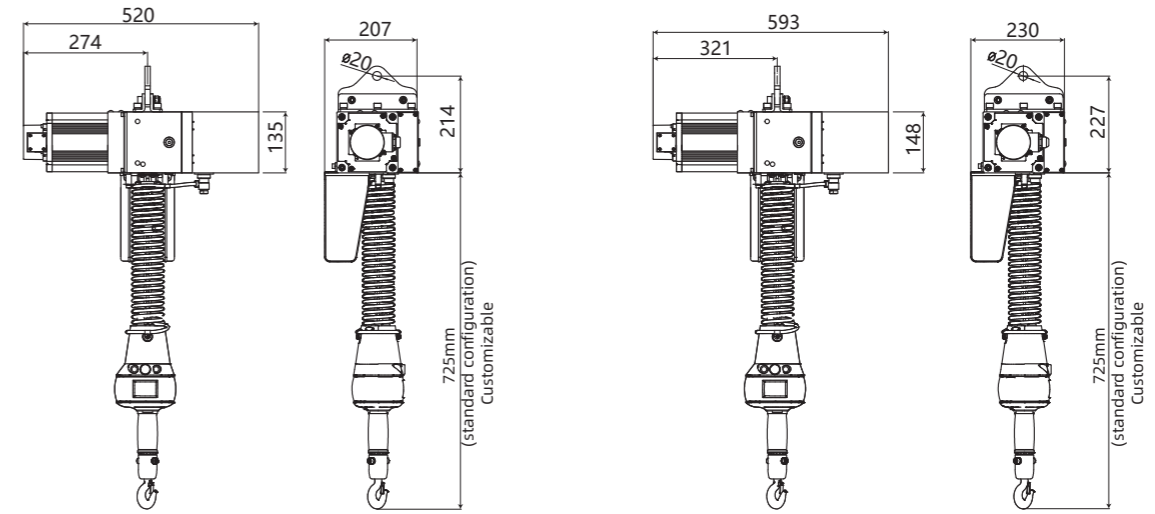
- Soft Limit Function
- Accurate Positioning
- Photoelectric Induction
- Suspension Mode
- Stepless Speed Change
- Handle Mode
- Overload Protection
- Anti Rebound
- Power-off Protection

Product Specifications And Dimensions

| Model | Q5L010 | Q5L020 | Q5L030 | Q5L050 |
|-----------------------------------|------------------------------|--------|--------|--------|
| Item name | | | | |
| Maximum load(Kg) | 100 | 200 | 300 | 500 |
| * lifting speed(m/min) | 0-16 | 0-13 | 0-11 | 0-10 |
| Rated power(KW) | 0.55 | 0.75 | 1.1 | 1.5 |
| Vertical maximum stroke(m) | 2.8(customizable) | | | |
| Control mode | Coaxial sliding handle | | | |
| Self Weight(Kg) | 40 | 40 | 45 | 45 |
| Chain specifications(mm) | 5.0 | 5.0 | 6.3 | 6.3 |
| Voltage | standard 220V(optional 380V) | | | |
| Working level of the organization | M5 | | | |
| Working temperature(°C) | -10°C~55°C | | | |

*1. The speed data is for reference only, based on the product nameplate;
 2. The fastest and slowest speed can be customized according to needs.
 Note: The above data is for selection reference only, and the actual data based on the product nameplate.

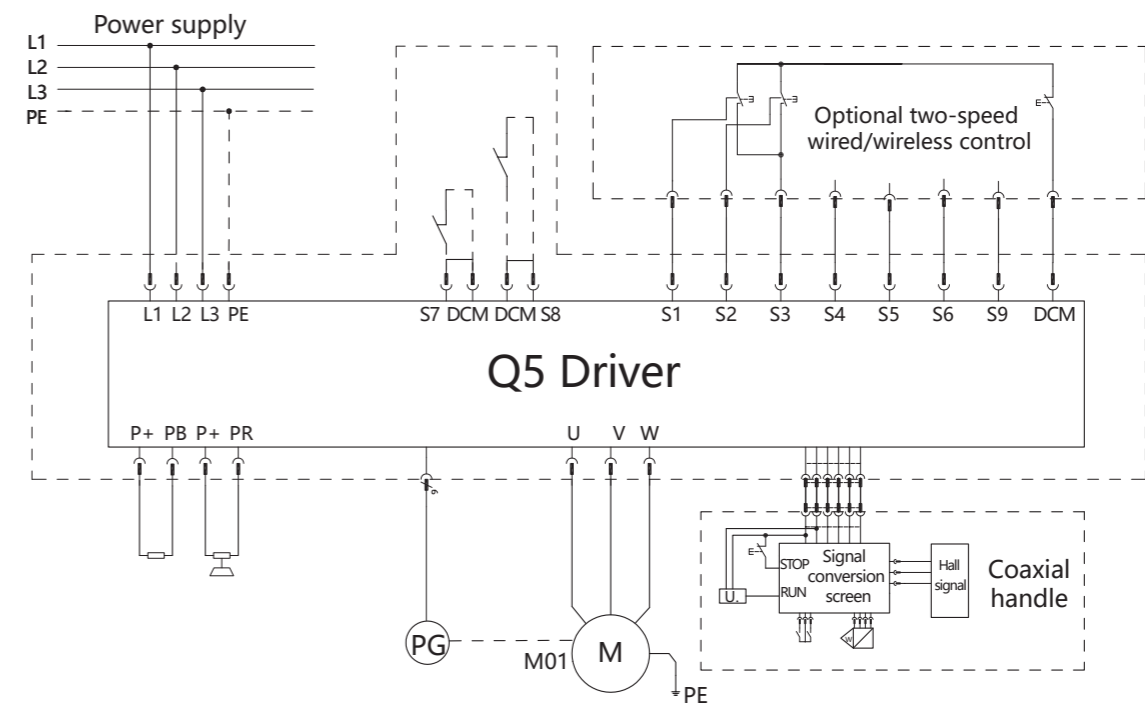
Product Specifications And Dimensions



Q5L010/Q5L020 series product size

Q5L030/Q5L050 series product size




Wiring Diagram



Note: For reference only, the actual line is subject to the product manual.

X3 Series Station Smart Hoist



-  Handle mode
-  Over load protection
-  Suspension mode
-  Photoelectric induction
-  Stepless speed change
-  Anti rebound
-  Accurate positioning
-  Power off protection

Product Features

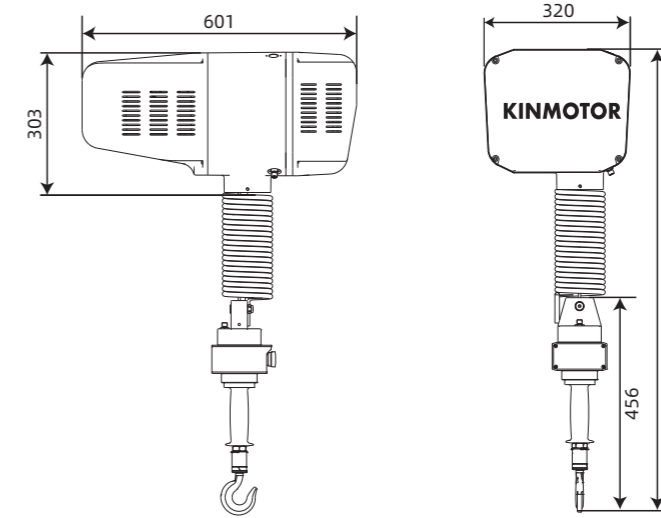
- ◆ It adopts steel wire rope structure to replace chain structure to achieve higher precision requirements and faster speed.
- ◆ The system has soft limit, reducing the risk of collision and providing flexible working range.
- ◆ The fastest speed can reach 30m/min. The slowest speed can reach 0.05m/min. Ensuring operator to move precise instruments and fragile products accurately and smoothly.
- ◆ Wrapping multiple steel wire ropes into thick ropes, which avoids rotation so it is more stable. It equipped with planetary reducer, so it can reduce noise during operation.

Product Specifications And Dimensions

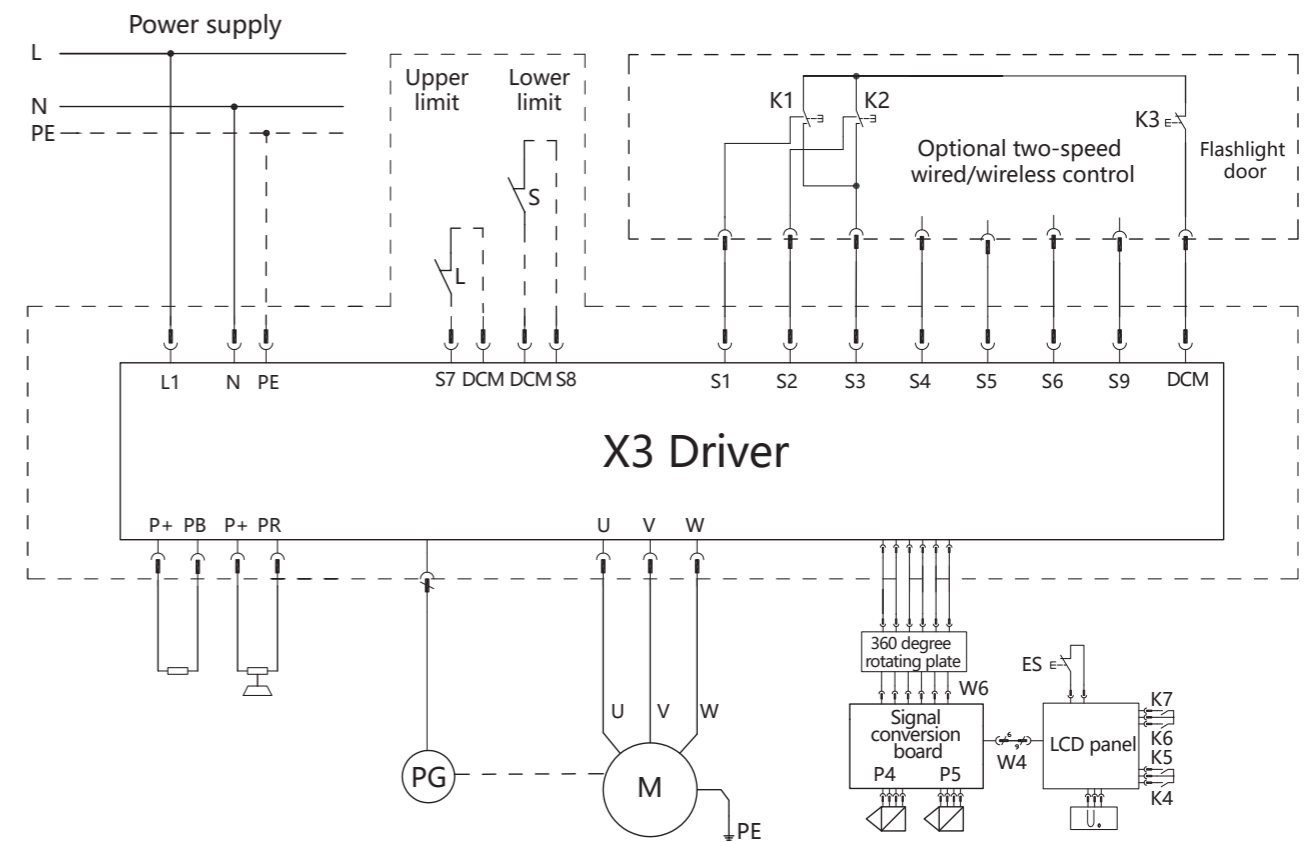
| Item name | Model | X3S010 | X3S020 | X3S030 | X3S060 |
|---|-------|------------------------------|--------|--------|-------------------|
| Maximum load(kg) | | 100 | 200 | 300 | 600 (Double rope) |
| * Maximum lifting speed-- handle mode(m/min) | | 30 | 25 | 20 | 10 |
| * Maximum lifting speed-- suspension mode(m/min) Optional | | 25 | 25 | 18 | 9 |
| Rated power(Kw) | | 0.8 | 0.8 | 1.1 | 1.1 |
| Vertical maximum stroke (m) | | 2.5 | 2.5 | 2.5 | 1.6 |
| Control mode | | Coaxial pressure handle | | | |
| Self Weight(Kg) | | 40 | 43 | 45 | 47 |
| Voltage | | standard 220V(optional 380V) | | | |
| Working level of the organization | | M5 | M5 | M5 | M4 |
| Ambient temperature (non-condensing) | | -10°C -55°C | | | |

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 Note: The above data is for selection reference only, and the actual data based on the product nameplate.

Product Specifications And Dimensions



Wiring Diagram

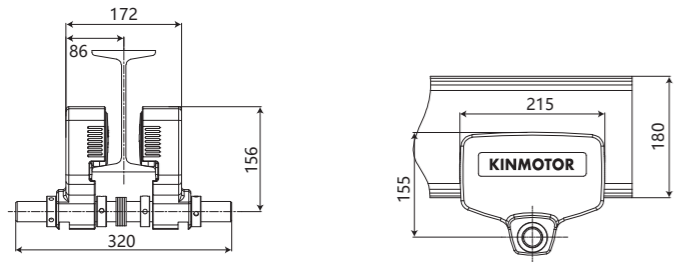


Note: For reference only, the actual line is subject to the product manual.

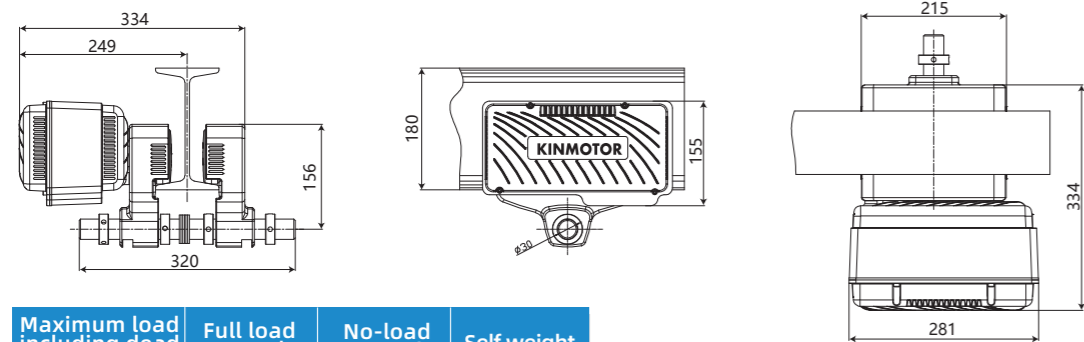
ELECTRIC TROLLEY



Manual Trolley

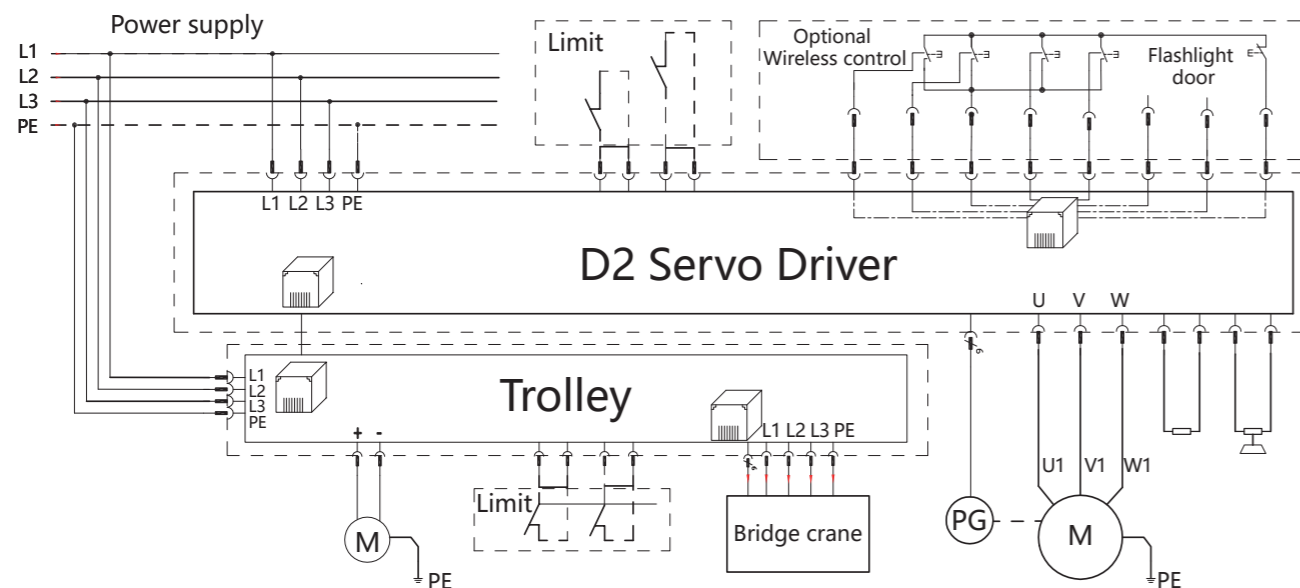


Electric Trolley



| Maximum load including dead weight (Kg) | Full load speed (m/min) | No-load speed (m/min) | Self weight (kg) |
|---|-------------------------|-----------------------|------------------|
| 2200 | 12/1 | 15 | 8 |

Wiring Diagram



Note: For reference only, the actual line is subject to the product manual.

HANDLE FOR D3 SMART HOIST

| | | | | | |
|--|--|--|--|--|----------------------------------|
| Fit for situation that the item has small volume. And the lifting range is not high, which workers can reach it. | Fit for situation that the item has small volume. And the lifting range is not high, which workers can reach it. | Fit for situation that the item has small volume. And the lifting range is not high, which workers can reach it. | | | |
| | | | | | |
| Suitable for heights that workers cannot touch and the volume is large. Suitable for the situation that the item is vertical hanging at limited height range. Integrated handle on terminal fixture. | Suitable for heights that workers cannot touch and the volume is large. Suitable for the situation that the item is vertical hanging. Integrated handle on terminal fixture. | Suitable for heights that workers cannot touch and the volume is large. Suitable for the situation that the item is vertical hanging. Integrated handle on terminal fixture. | | | |
| | | | | | |
| 03 B4 Coaxial Sliding Handle(standard) | 04 B6 Coaxial Pressure Handle(for select) | 07 Handheld Handle (for select) | 09 B6 Split Coaxial Pressure Handle (for select) | 10 E3 Remote Stepless Handle(for select) | 11 Full Touch Handle(for select) |
| without gas circuit | without gas circuit | F2 stepless speed change / F3 Variable frequency dual speed | | convention | |
| | | | | | |
| 01 Main Machine Classification | 05 Hook And Rotating Components | 360 Electrical Slip Ring(for select) | Connecting Component | 08 Adapt Cable | Additional Accessories |
| 125Kg 250Kg 500Kg | Rotating components Anti detachment hook | | | 0.5m standard 2m for select | Wireless Remote Controller |
| | | | | | |

HANDLE FOR Q5 SMART HOIST

| | | | | | | | | | |
|--|---|--|--|---|---------------|-------|-------|-------|-------|
| Fit for situation that the item has small volume. And the lifting range is not high, which workers can reach it. | | Fit for situation that the item has small volume. And the lifting range is not high, which workers can reach it. | | Suitable for heights that workers cannot touch and the volume is large. Integrated handle on terminal fixture. The handle is connected to the main engine through a 360 electrical slip ring. | | | | | |
| | | | | | | | | | |
| Suitable for heights that workers cannot touch and the volume is large. Suitable for the situation that the item is vertical hanging at limited height range. Integrated handle on terminal fixture. | | Control method is pressure control. Integrated handle on terminal fixture. The handle part can be designed. So it has extensibility. | | 01 Main Machine Classification | | | | | |
| | | | | <table border="1"> <tr> <td>100Kg</td> <td>200Kg</td> <td>300Kg</td> <td>500Kg</td> </tr> </table> | | 100Kg | 200Kg | 300Kg | 500Kg |
| 100Kg | 200Kg | 300Kg | 500Kg | | | | | | |
| 03 B4 Coaxial Sliding Handle(standard) | 04 B6 Coaxial Pressure Handle(for select) | 07 B6 Split Type Coaxial Pressure Handle(for select) | 09 E3 Remote Stepless Handle(for select) | 11 Full Touch Handle (for select) | | | | | |
| without gas circuit | without gas circuit | | convention | | | | | | |
| 05 Hook And Rotating Components | 360 Electrical Slip Ring(for select) | Connecting Racks | Additional Accessories | 08 Adapt Cable | | | | | |
| Rotating components Anti detachment hook | | | Wireless Remote Controller | 0.5m standard | 2m for select | | | | |

HANDLE FOR X3 SMART HOIST

| | | | | | | | | | | | | | | | | | |
|--|---|---|----------------------------------|---|--|-------|-------|-------|-------|----|----|----|------------|---------------|--|--|--|
| Fit for situation that the item has small volume. And the lifting range is not high, which workers can reach it. | | Suitable for heights that workers cannot touch and the volume is large. Integrated handle on terminal fixture. The handle is connected to the main engine through a 360 electrical slip ring. | | Suitable for heights that workers cannot touch and the volume is large. Suitable for the situation that the item is vertical hanging at limited height range. Integrated handle on terminal fixture. | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Suitable for large stroke and the heights that workers cannot touch. Suitable for large volume. The handle is vertically suspended below the main machine. Remote control. | | Control method is pressure control. Integrated handle on terminal fixture. The handle part can be designed. So it has extensibility. | | 01 Main Machine Classification | | | | | | | | | | | | | |
| | | | | <table border="1"> <tr> <td>100Kg</td> <td>200Kg</td> <td>300Kg</td> <td>600Kg</td> </tr> <tr> <td>5m</td> <td>7m</td> <td>8m</td> <td>Customized</td> </tr> <tr> <td colspan="4">6m Customized</td> </tr> </table> | | 100Kg | 200Kg | 300Kg | 600Kg | 5m | 7m | 8m | Customized | 6m Customized | | | |
| 100Kg | 200Kg | 300Kg | 600Kg | | | | | | | | | | | | | | |
| 5m | 7m | 8m | Customized | | | | | | | | | | | | | | |
| 6m Customized | | | | | | | | | | | | | | | | | |
| 04 B6 Coaxial Pressure Handle(standard) | 07 B6 Split Type Coaxial Pressure Handle (for select) | 09 E3 Remote Stepless Handle(for select) | 10 Full Touch Handle(for select) | Trolley Connecting Racks | | | | | | | | | | | | | |
| without gas circuit | | convention | | KBK I hanging board Aluminum rail adapter plate I (38 opening size) C65 hanging board | | | | | | | | | | | | | |
| Additional Accessories | 05 Hook And Rotating Components | 360 Electrical Slip Ring(for select) | 08 Adapt Cable | KBK II hanging board Aluminum rail adapter plate II (24 opening size) C80 hanging board | | | | | | | | | | | | | |
| Wireless Remote Controller | Rotating components Anti detachment hook | | 0.5m standard 2m for select | | | | | | | | | | | | | | |

INSTALLATION SOLUTION



Installation Solution
Of Knuckle-boom Crane



Installation Solution
Of Cantilever Crane



Light Rail
Unstallation Solution

