KINMOTOR



Precision in Motion, Safety in Load!

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Website

Channels



VFD CHAIN HOIST

SERVO CHAIN HOIST

INTELLIGENT SERVO HOIST

PRODUCT CATALOGUE

KINMOTOR

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 national 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 workstation smart hoist, servo chain hoist and variable frequency chain hoist, which are suitable for the light crane and material handling industry.

At the same time, our 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.

Special Drive Cover

1.Adopting intergrate aluminum die-casting technology. This is used for the assembly of driver modules, allowing the driver modules to come together. It can improve heat dissipation efficiency and increases product stability.
2.Dustproof, waterproof, and easy to dissipate heat.
3.Protection level up to IP55.

Status Display Screen

Display the current operating speed (n.nn m/min), fault status and other information in real time.

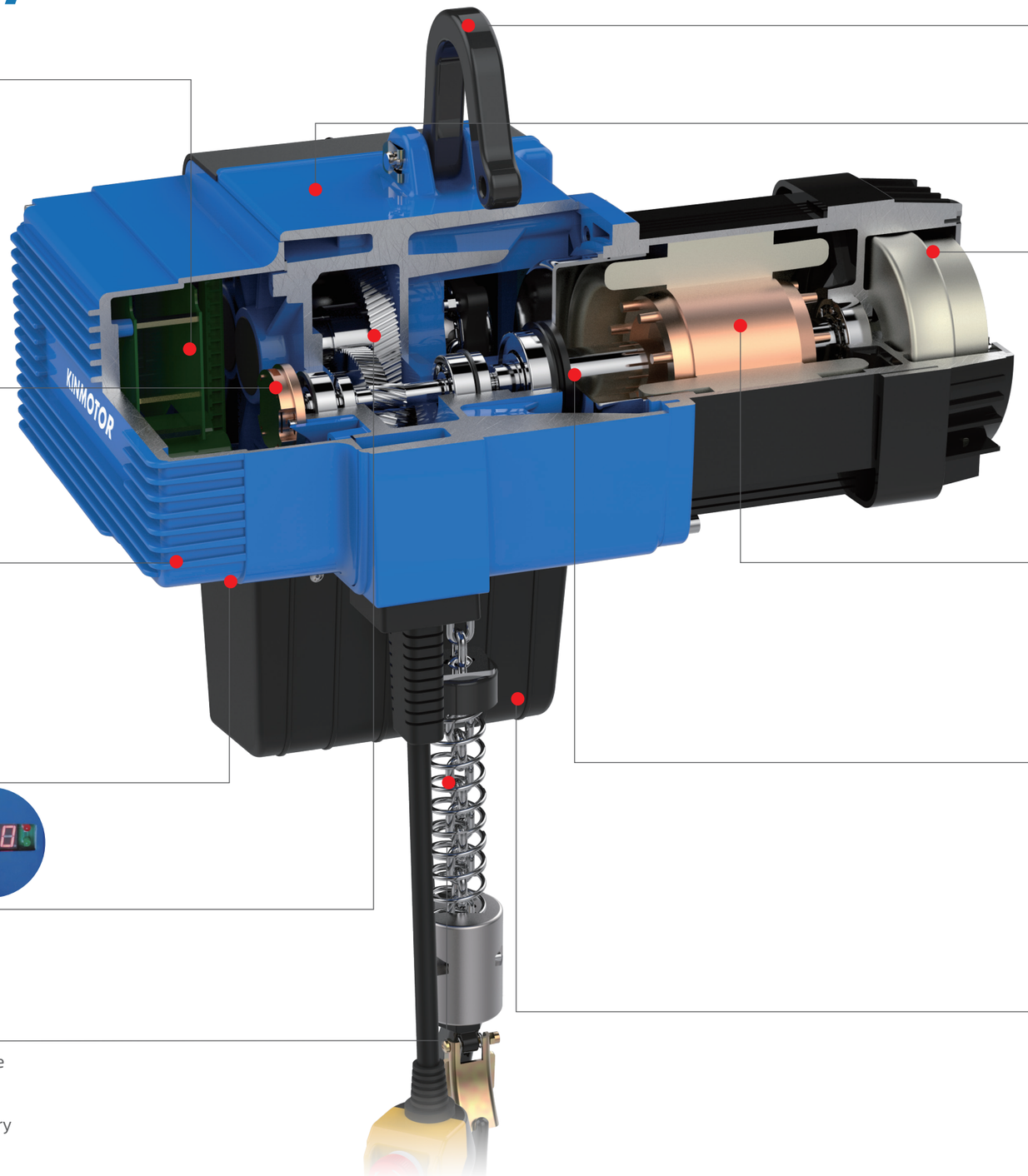


Gearbox

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

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.



Hange

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

Shell

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

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.

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.

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.

Chain box

1.1.Articulated installation, using highly impact resistant plastic material.
2.Metal chain box, suitable for larger hook travel.

D2 Series
VFD Chain Hoist



Product Brief

It features a lightweight, rugged aluminum housing and a low-headroom design that saves installation space. Equipped with a custom VFD and dedicated hoist motor, it offers a wide speed adjustment range and flexible high/low speed control, ensuring smooth, impact-free operation with minimal vibration. Soft start/stop, comprehensive protections, and built-in speed and fault display simplify maintenance. Precise positioning prevents workpiece impact, while the electronic dual-brake system requires no pad replacement for years. Remote control option available. Ideal for precision lifting and assembly lines – rugged, stable, and long-lasting.

Product Features

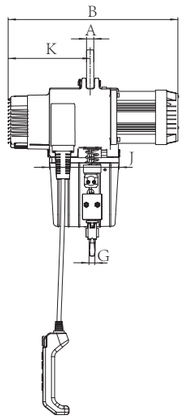
- Custom variable frequency drive and hoist motor for stable control.
- Smooth, ultra-quiet operation with soft start and soft stop; the body shows almost no sway.
- Adjustable speed, precise positioning, reducing workpiece impact.
- Multiple safety protections: anti-overrun, overload, power failure, etc.
- Real-time speed display and visible fault codes for easy troubleshooting.
- Electronic dual-brake system – brake pads last for years without replacement; routine maintenance is simple.
- Built-in remote control allows synchronous operation of the trolley and the crane bridge.

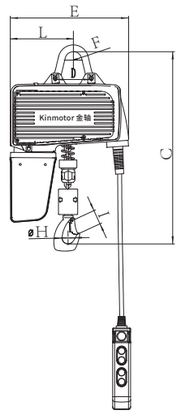
Product Specifications and Dimensions

Item \ Model	D2B012-01	D2B025-01	D2B050-01	D2B100-01	D2B200-02	D2B160-01	D2B200-01	D2B250-01	D2B320-02	D2B500-02
Maximum load(Kg)	125	250	500	1000	2000 (Double chain)	1600	2000	2500	3200 (Double chain)	5000 (Double chain)
Standard speed (m/min)	1/12	1/12	1/8	1/8	1/4	2/12	2/12	2/10	2/6	2/5
Rated power(KW)	0.75	0.75	1.1	2.2	2.2	5.5	7.5	7.5	5.5	7.5
Default itinerary(m)	3(customizable)									
Control mode	Wire control button/remote control button									
Chain specifications(mm)	5.0	5.0	5.0	7.1	7.1	11.2	11.2	11.2	11.2	11.2
Voltage	Standard AC 380V(optional AC 220V)									
Working level of the organization	3m/M6	3m/M6	3m/M6	2m/M5	2m/M5	2m/M5	2m/M5	2m/M5	2m/M5	1Am/M4
Working temperature(℃)	-10℃~55℃									

Note: The product speed is adjustable. When model D2B100-01/200-02 is fitted with optional AC 220V, the rated power is 1.5kW.
The standard speed is 1/6 m/min (1 ton load) and 1/3 m/min (2 tons load).

Product Specifications and Dimensions

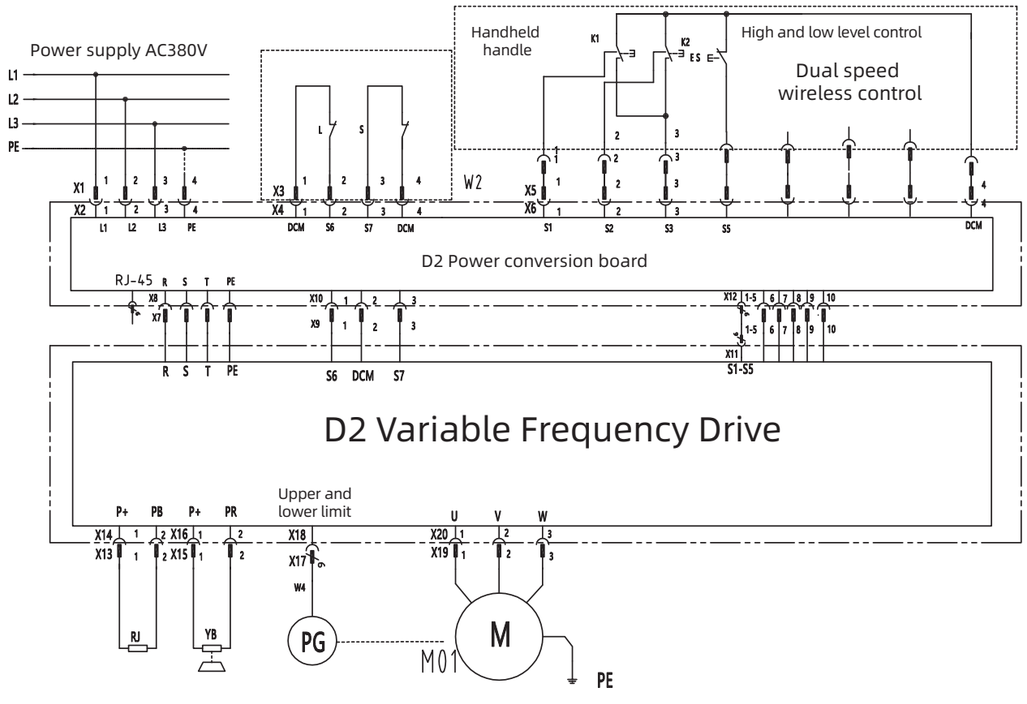




Overall Dimension Table (Unit: mm)

Model	A	B	C	D	E	F	G	H	I	J	K	L
D2B012-01	18	424	473	90	296	R21	15	Φ30	36	174	205	158
D2B025-01	18	424	473	90	296	R21	15	Φ30	36	174	205	158
D2B050-01	18	468	478	90	313	R21	17.5	Φ35	46	192	208	171
D2B100-01	24	546	592	124	349	R30	23	Φ44	50	227	243	184
D2B200-02	24	546	643	124	349	R30	31	Φ52	52	227	243	184
D2B160-01	33	669	836	170	401	R74	34	Φ58	67	260	339	178
D2B200-01	33	669	836	170	401	R74	34	Φ58	67	260	339	178
D2B250-01	33	669	836	170	401	R74	34	Φ58	67	260	339	211
D2B320-02	33	669	836	170	401	R74	34	Φ58	67	260	339	211
D2B500-02	33	669	836	170	401	R74	34	Φ58	67	260	339	211

Wiring Diagram



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

D2 Series
Servo Chain Hoist



Product Brief

The D2 series servo chain hoist has a lightweight, robust high-strength aluminum housing and low-headroom design for space-limited sites. Fitted with custom servo drives and motors via direct shaft connection, it ensures slip-free, stable lifting. A built-in intelligent overload protection guarantees safe operation. Offering wide speed range, ultra-high control precision and rapid response, with a minimum speed of 0.05 m/min, it resolves issues of precision workpiece alignment and low hoisting accuracy, ideal for high-precision assembly.

Product features

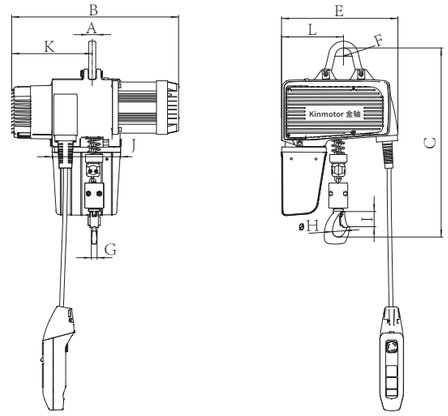
- Custom servo drive and dedicated servo motor for precise and stable control.
- Smooth and ultra-quiet operation with soft start and soft stop; minimal body sway.
- Customizable speed range with stepless speed regulation. The minimum speed reaches 0.05 m/min for superior alignment accuracy, effectively preventing workpiece collision and damage.
- Multiple safety protections including over-travel prevention, overload protection and power-failure protection.
- Real-time display of operating speed and visualized fault codes for convenient and efficient troubleshooting.
- Equipped with an electronic dual braking system; brake pads do not need replacement for years, enabling simple routine maintenance.
- Built-in remote control supported, realizing synchronous linkage control of hoist, trolley and overhead crane.

Product Specifications and Dimensions

Item \ Model	D2C012-01	D2C025-01	D2C050-01	D2C100-01	D2C200-02	D2C160-01	D2C200-01	D2C250-01	D2C320-02	D2C500-02
Maximum load(Kg)	125	250	500	1000	2000 (Double chain)	1600	2000	2500	3200 (Double chain)	5000 (Double chain)
Standard speed (m/min)	0-16	0-16	0-10	0-8	0-4	0-12	0-12	0-10	0-6	0-5
Rated power(KW)	0.75	0.75	1.1	2.2	2.2	5.5	7.5	7.5	5.5	7.5
Default itinerary(m)	3(customizable)									
Control mode	Wire control button/remote control button									
Chain specifications(mm)	5.0	5.0	5.0	7.1	7.1	11.2	11.2	11.2	11.2	11.2
Voltage	Standard AC 380V(optional AC 220V)									
Working level of the organization	3m/M6	3m/M6	3m/M6	2m/M5	2m/M5	2m/M5	2m/M5	2m/M5	2m/M5	1Am/M4
Working temperature(℃)	-10℃~55℃									

Note: The product speed is adjustable. If model D2C100-01/200-02 is equipped with optional AC 220V power supply, its rated power is 1.5kW.
The standard speed range is 0-6 m/min (1 ton load) and 0-3 m/min (2 tons load).

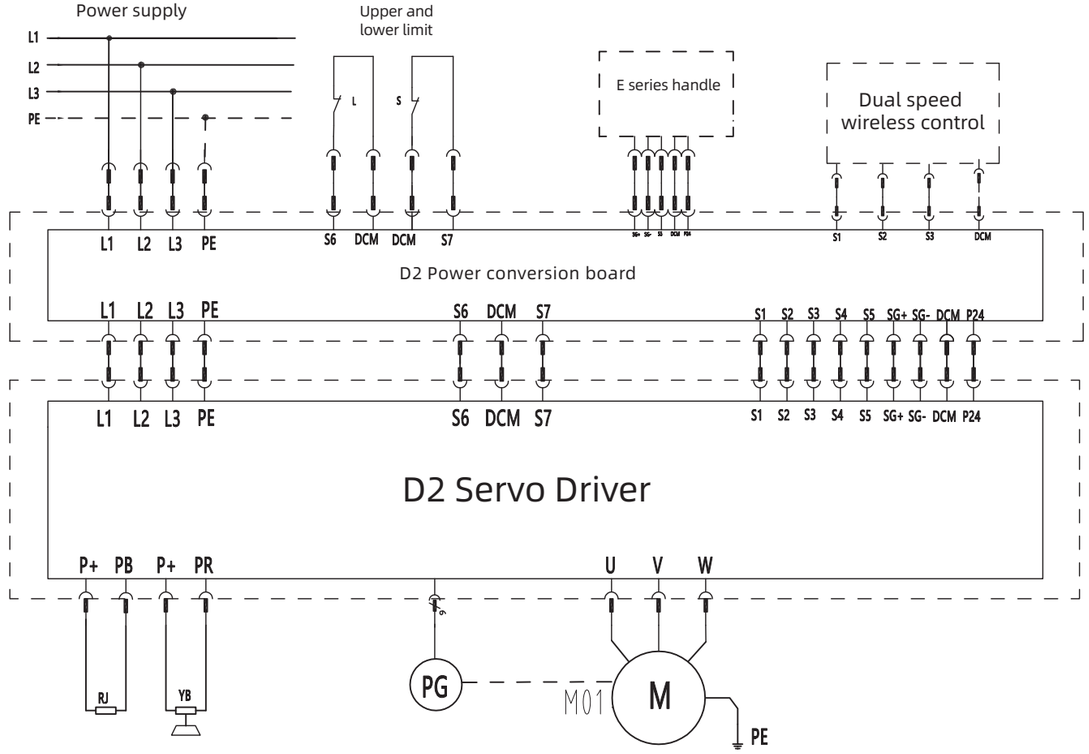
Product Specifications and Dimensions



Overall Dimension Table (Unit: mm)

Model	A	B	C	D	E	F	G	H	I	J	K	L
D2C012-01	18	424	473	90	296	R21	15	Φ30	36	174	205	158
D2C025-01	18	424	473	90	296	R21	15	Φ30	36	174	205	158
D2C050-01	18	468	478	90	313	R21	17.5	Φ35	46	192	208	171
D2C100-01	24	546	592	124	349	R30	23	Φ44	50	227	243	184
D2C200-02	24	546	643	124	349	R30	31	Φ52	52	227	243	184
D2C160-01	33	669	836	170	401	R74	34	Φ58	67	260	339	178
D2C200-01	33	669	836	170	401	R74	34	Φ58	67	260	339	178
D2C250-01	33	669	836	170	401	R74	34	Φ58	67	260	339	211
D2C320-02	33	669	836	170	401	R74	34	Φ58	67	260	339	211
D2C500-02	33	669	836	170	401	R74	34	Φ58	67	260	339	211

Wiring Diagram



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

D2 Series
Servo Chain Hoist with E2 Pendant



Product description

The D2 series servo chain hoist with E2 pendant offers four-speed options and a wide speed range, delivering control precision up to 0.01 m/min. Speed gears are switchable for different working conditions, balancing hoisting efficiency and precise alignment. With fast response, it addresses difficulties in fine-tuning precision workpieces, ideal for high-precision assembly. Its custom servo drive and motor use direct shaft connection for stable, slip-free lifting. Built-in intelligent overload protection ensures safe operation.

Product features

- Custom servo motor delivers stable operating performance.
- The system features soft limit function to reduce over-travel risk and flexibly restrict workpiece movement range.
- Stepless speed regulation for precise positioning. Wide lifting/lowering speed range with high precision, as low as 0.01 m/min for flexible selection.
- Low noise, smooth and vibration-free with high alignment accuracy.
- Communication protocols available to support programmable control.
- Adopts electronic friction clutch design for long service life and maintenance-free operation.

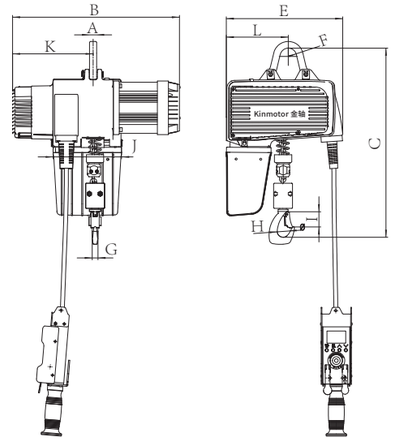
E2 stepless pendant: Four speed gears. The maximum speed of each gear can be configured to match on-site production requirements, with real-time speed display. It uses push-plate control with distinct micro-switch feedback, ideal for precise control at ultra-low speeds.

Product Specifications and Dimensions

Item \ Model	D2C012 -E2-01	D2C025 -E2-01	D2C050 -E2-01	D2C100 -E2-01	D2C200 -E2-02	D2C160 -E2-01	D2C200 -E2-01	D2C250 -E2-01	D2C320 -E2-02	D2C500 -E2-02
Maximum load(Kg)	125	250	500	1000	2000 (Double chain)	1600	2000	2500	3200 (Double chain)	5000 (Double chain)
Standard speed (m/min)	0-16	0-16	0-10	0-8	0-4	0-12	0-12	0-10	0-6	0-5
Rated power(KW)	0.75	0.75	1.1	2.2	2.2	5.5	7.5	7.5	5.5	7.5
Default itinerary(m)	3(customizable)									
Control mode	Wire control button/remote control button									
Chain specifications(mm)	5.0	5.0	5.0	7.1	7.1	11.2	11.2	11.2	11.2	11.2
Voltage	Standard AC 380V(optional AC 220V)									
Working level of the organization	3m/M6	3m/M6	3m/M6	2m/M5	2m/M5	2m/M5	2m/M5	2m/M5	2m/M5	1Am/M4
Working temperature(℃)	-10℃~55℃									

Note: The product speed is adjustable. If model D2C100-E2-01/200-E2-02 is equipped with optional AC 220V power supply, its rated power is 1.5kW.
The standard speed range is 0-6 m/min (1 ton load) and 0-3 m/min (2 tons load).

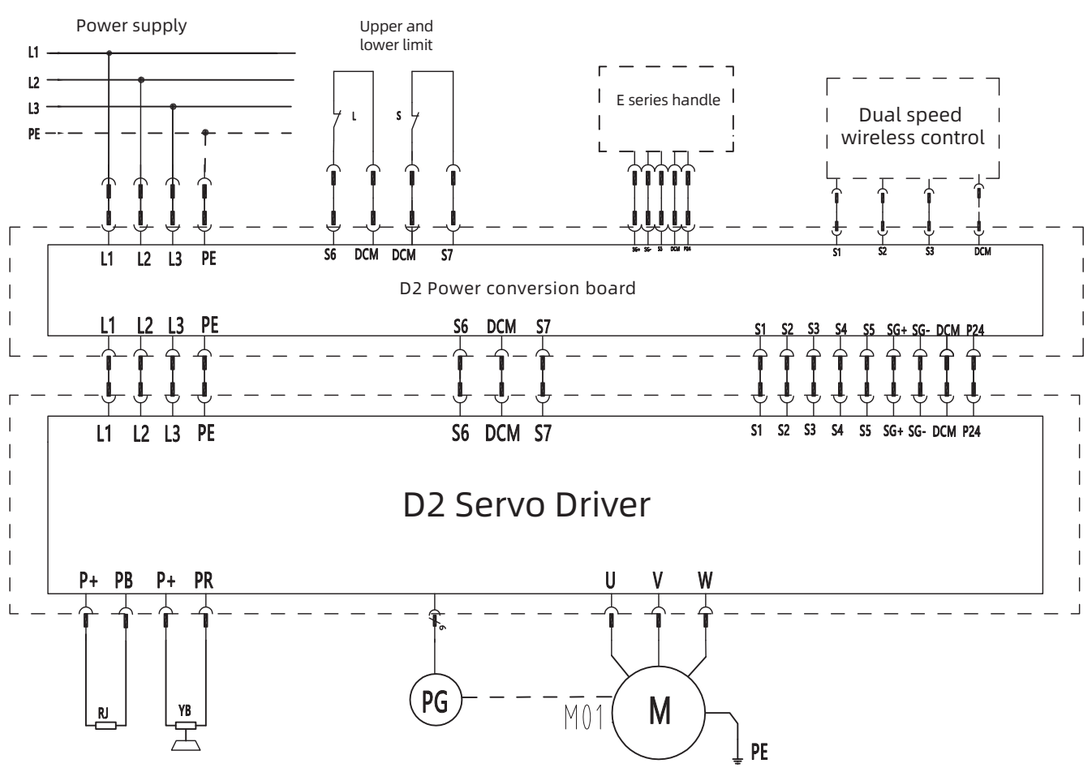
Product Specifications and Dimensions



Overall Dimension Table (Unit: mm)

Model	A	B	C	D	E	F	G	H	I	J	K	L
D2C012-E2-01	18	424	473	90	296	R21	15	Φ30	36	174	205	158
D2C025-E2-01	18	424	473	90	296	R21	15	Φ30	36	174	205	158
D2C050-E2-01	18	468	478	90	313	R21	17.5	Φ35	46	192	208	171
D2C100-E2-01	24	546	592	124	349	R30	23	Φ44	50	227	243	184
D2C200-E2-02	24	546	643	124	349	R30	31	Φ52	52	227	243	184
D2C160-E2-01	33	669	836	170	401	R74	34	Φ58	67	260	339	178
D2C200-E2-01	33	669	836	170	401	R74	34	Φ58	67	260	339	178
D2C250-E2-01	33	669	836	170	401	R74	34	Φ58	67	260	339	211
D2C320-E2-02	33	669	836	170	401	R74	34	Φ58	67	260	339	211
D2C500-E2-02	33	669	836	170	401	R74	34	Φ58	67	260	339	211

Wiring Diagram



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

D2 Series
Intelligent Hoist



Product Brief

It is an innovative product in the servo chain hoist field, completely abandoning traditional remote control operation and adopting a novel coaxial slide handle control. This product perfectly merges mechanical control with ergonomics, enabling precise lifting and lowering through simple and intuitive grip sliding, redefining the human-machine interaction experience for small lifting equipment.

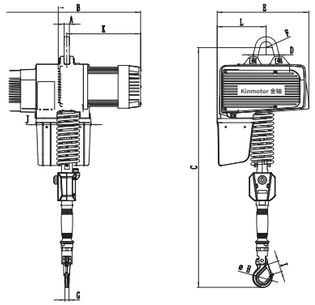
Product Features

- Custom servo motor for smooth operation;
- Soft-limit anti-overrun protection to reduce the risk of head-on impact;
- Handle and hoist body are coaxial - the operation direction matches the movement direction, and the sliding stroke directly corresponds to the lifting/lowering speed, achieving stepless speed control (no floating function);
- Quiet, smooth and vibration-free with high positioning accuracy;
- Electronic friction clutch design - long service life and maintenance-free.

Product Specifications and Dimensions

Item \ Model	D2L012	D2L025	D2L050
Maximum load(Kg)	125	250	500
Lifting speed (m/min)	0-12	0-12	0-8
Rated power(KW)	0.75	0.75	1.1
Default itinerary(m)	2.8(customizable)		
Control mode	B5 Coaxial Handle		
Self Weight(Kg)	27	27	33
Chain specifications (mm)	5.0	5.0	5.0
Voltage	Standard AC 380V(optional AC 220V)		
Working level of the organization	3m/M6	3m/M6	3m/M6
Working temperature(℃)	-10℃~55℃		

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



Overall Dimension Table (Unit: mm)

Model	A	B	C	D	E	F	G	H	I	J
D2L012	18	424	1000	90	296	R21	17.5	Φ37	38	174
D2L025	18	424	1000	90	296	R21	17.5	Φ37	38	174
D2L050	18	468	1005	90	321	R21	17.5	Φ37	38	192

D2 Series
Servo Two-Speed Hoist



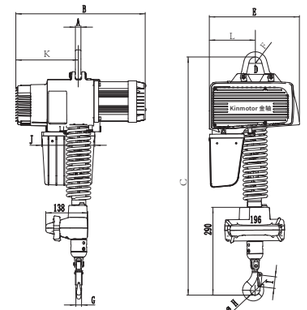
Product Features

- The system features a soft-limit function to reduce the risk of head-on impact and flexibly restrict the workpiece's movement range.
- The handle is ergonomically designed for comfortable grip, with dual-side control levers. Single-handed grip allows easy control of lifting and lowering, and both hands can be freely switched for alternate operation.
- It not only achieves more precise positioning, but also provides smoother operation, lifting, and landing - fully demonstrating the fast, accurate, and stable characteristics of an intelligent hoist.
- Cost-effective and suitable for various workstation lifting tasks. It reduces labor intensity, enhances the level of intelligent equipment, and ensures a fast-paced operation in automated workflows.

Product Specifications and Dimensions

Item \ Model	D2B012-F	D2B025-F	D2B050-F
Maximum load(Kg)	125	250	500
Lifting speed - dual speed (m/min)	3/12	3/12	3/8
Rated power(KW)	0.75	0.75	1.1
Default itinerary(m)	2.8(customizable)		
Control mode	F3 Servo Two-Speed Handle		
Self Weight(Kg)	25	25	31
Chain specifications (mm)	5.0	5.0	5.0
Voltage	Standard AC 380V(optional AC 220V)		
Working level of the organization	3m/M6	3m/M6	3m/M6
Working temperature(℃)	-10℃~55℃		

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



Overall Dimension Table (Unit: mm)

Model	A	B	C	D	E	F	G	H	I	J	K	L
D2B012-F D2C012-F	18	424	760	90	296	R21	19	Φ30	36	174	205	151
D2B025-F D2C025-F	18	424	760	90	296	R21	19	Φ30	36	174	205	151
D2B050-F D2C050-F	18	468	770	90	313	R21	19	Φ30	38	192	208	163

D3 Series
Intelligent Servo 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 intelligent servo hoist improve lifting speed and assembly accuracy. It combines high technology and human action instructions, which makes it easier to move heavy object. Intelligent servo hoist can maximize production efficiency and reduce the physical pressure 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

Multiple safety protection measures including soft limit, overload protection, power-off protection, photoelectric sensing, and anti-rebound.

Adapt Handle

B4 Coaxial Sliding Handle (Standard)

The coaxial sliding handle directly determines the lifting speed based on the length of the sliding stroke - the longer the stroke, the more significant the speed increase, providing rapid response for applications requiring quick lifting and handling.



B6 Coaxial Pressure Handle (Optional)

The coaxial pressure-sensing handle revolutionizes the operating experience with touch-pressure sensing technology. Unlike traditional sliding handles, it accurately senses the operator's applied upward or downward pressure and converts it into steplessly adjustable lifting speed. This ergonomic design not only greatly enhances intuitive control and precision but also easily adapts to various fixtures, enabling more efficient and labor-saving material handling.

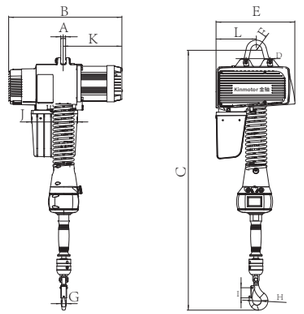


Note: For more handle configurations, see page 18.

Product Specifications and Dimensions

Item \ Model	D3L012	D3L025	D3L050
Maximum load(Kg)	125	250	500
lifting speed(m/min)	0-16	0-16	0-10
Rated power(KW)	0.75	0.75	1.1
Default itinerary(m)	2.8(customizable)		
Control mode	Coaxial sliding handle		
Self Weight(Kg)	27	27	33
Chain specifications (mm)	5.0	5.0	5.0
Voltage	standard AC 380V(optional AC 220V)		
Working level of the organization	3m/M6	3m/M6	3m/M6
Working temperature(℃)	-10℃~55℃		

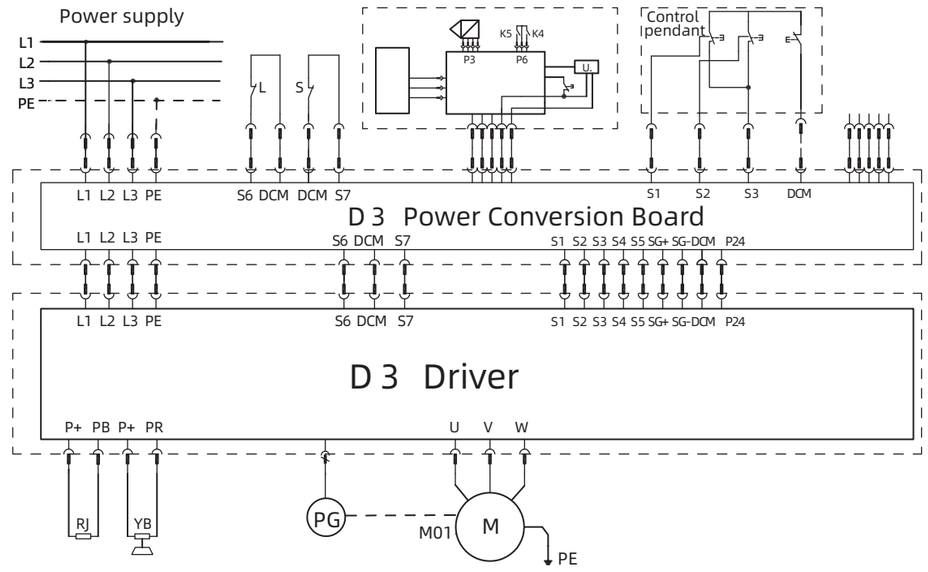
Note: The above data is for selection reference only, and the actual data based on the product nameplate.



Overall Dimension Table (Unit: mm)

Model	A	B	C	D	E	F	G	H	I	J	K	L
D3L012	18	424	990	90	296	R21	19	Φ32	38	174	205	151
D3L025	18	424	990	90	296	R21	19	Φ32	38	174	205	151
D3L050	18	468	1000	90	321	R21	19	Φ32	38	192	208	171

Wiring Diagram



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

Q6 Series
Intelligent Servo Hoist

Product Features

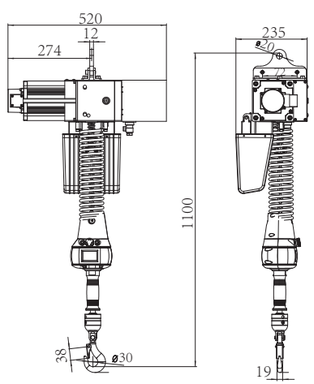
- Soft Limit Function
- Handle Mode
- Accurate Positioning
- Overload Protection
- Stepless Speed Change
- Photoelectric Induction
- Suspension Mode
- Power-off Protection



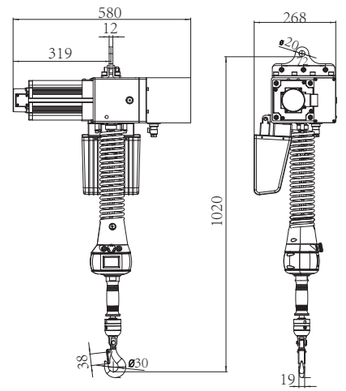
Product Specifications and Dimensions

Item \ Model	Q6L010	Q6L020	Q6L030	Q6L050	Q6L060
Maximum load(Kg)	100	200	300	500	600
lifting speed(m/min)	0-16	0-13	0-11	0-10	0-8
Rated power(KW)	0.55	0.75	1.1	1.5	1.5
Default itinerary(m)	2.8(customizable)				
Control mode	Coaxial sliding handle				
Self Weight(Kg)	37	37	48	48	48
Chain specifications(mm)	5.0	5.0	6.3	6.3	6.3
Voltage	standard AC 220V(optional AC 380V)				
Working level of the organization	3m/M6				
Working temperature(℃)	-10℃~55℃				

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

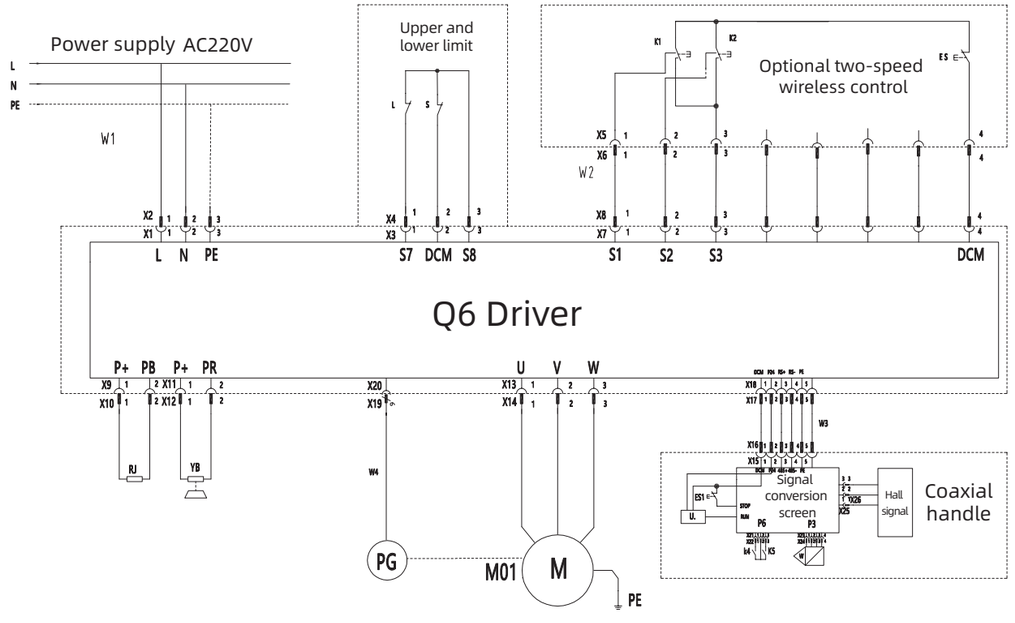


Q6L010/Q6L020 series product size



Q6L030/Q6L050/Q6L060 series product size

Wiring Diagram



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

X5 Series
Intelligent Servo Hoist



Product Brief

It is a leader in light-load intelligent material handling. Powered by TI's latest 32-bit high-speed dual-core DSP chip, and deeply integrating a precision sensor system, advanced servo drive technology, and intelligent algorithms, it delivers an unprecedented material handling experience. The device features an ergonomic grip control mode - the operator can precisely lift, lower, and move heavy loads with minimal effort, greatly reducing fatigue and significantly improving work efficiency. Its intelligent control system accurately senses the operator's intent, automatically adapts to load variations, provides a consistent control feel, and effectively prevents overload and operational errors. Even in complex and changing work environments, the X5 Series Workstation Intelligent Hoist maintains stable, efficient operation.

Product Features

01 Servo Control System

Full-closed-loop servo control for precise force adjustment and smooth stepless speed control.

02 Innovative Structural Design

One-piece wire rope drum - detachable for easy rope replacement.
Anti-tangling design - reduces rope disorganization for safe operation.
90° rotatable drum assembly - allows side rope exit for various applications

03 Multiple Control Modes

Grip, Button, and Float modes - flexible selection to improve efficiency and user experience.

04 Wide-Range Stepless Speed Control

Wide-range stepless speed regulation: Max. 30 m/min (efficient handling), Min. 0.05 m/min (precision assembly). Suitable for all scenarios from fast lifting to ultra-precise positioning.

05 Multiple Safety Protections

Soft-limit anti-overrun, overload protection, power-off protection, photoelectric sensing, anti-rebound - ensuring safe operation.

C1 Handle(Optional)

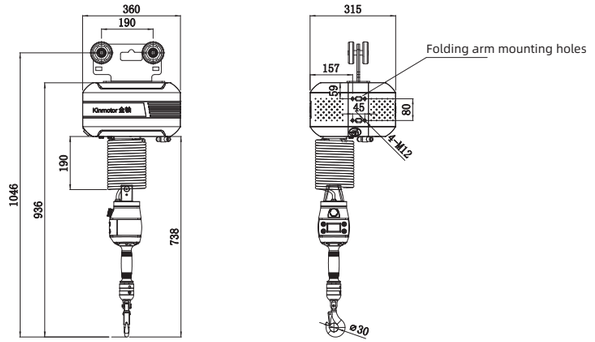
- Electric/pneumatic dual slip-ring design for 360° rotation, anti-entanglement, safe air and power supply.
- Built-in dual-control 5/2-way valve enables direct cylinder operation from the handle; compatible with various pneumatic fixtures.
- Standard hook features a detachable knuckle mechanism for easy tooling changeover.



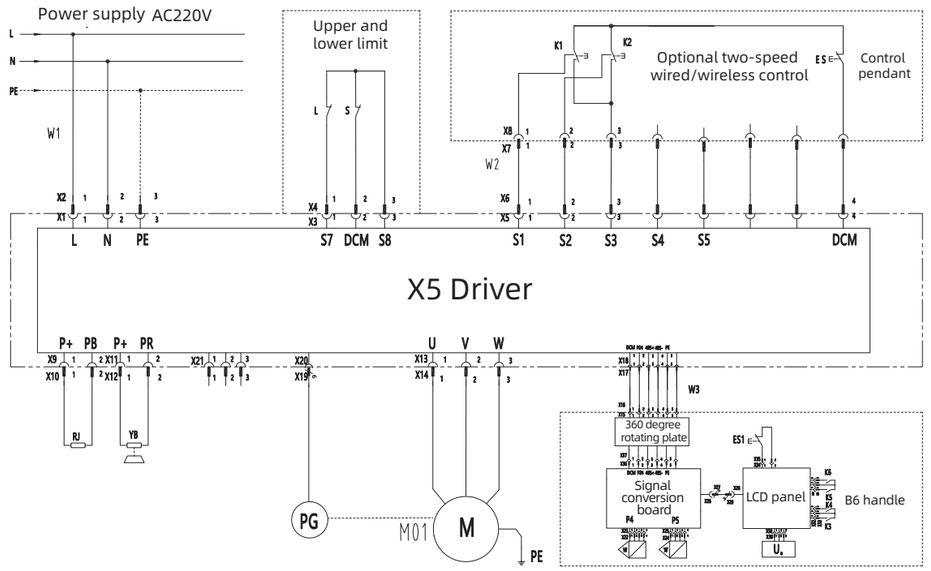
Product Specifications and Dimensions

Item \ Model	X5S010	X5S020	X5S030	X5S037	X5S075
Maximum load(Kg)	100	200	300	375	750 (Double chain)
Standard speed (m/min)	0-30	0-30	0-26	0-22	0-10
Rated power(KW)	1.8	1.8	1.8	1.8	1.8
Default itinerary(m)	2.8	2.8	2.8	2.8	1.4
Control mode	Coaxial Pressure Handle				
Voltage	Standard AC 220V(optional AC 380V)				
Working level of the organization	3m/M6	3m/M6	3m/M6	3m/M6	3m/M6
Working temperature(℃)	-10℃~55℃				

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



Wiring Diagram



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

X3 Series
Intelligent Servo Hoist



Product Features

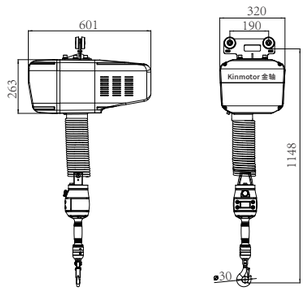
- It adopts steel wire rope structure to replace chain structure to achieve higher precision requirements and faster speed.
- The system has soft limit, reducing the risk of collision and providing flexible working range.
- The fastest speed can reach 35m/min. The slowest speed can reach 0.05m/min. Ensuring 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

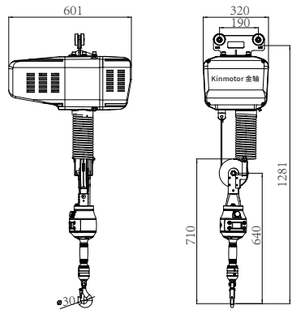
Item \ Model	X3S010	X3S020	X3S030	X3S060
Maximum load(kg)	100	200	300	600 (Double rope)
✻Standard speed (m/min)	0-35	0-29	0-25	0-10
Rated power(Kw)	0.8	0.8	1.1	1.1
Default itinerary(m)	2.5	2.5	2.5	1.6
Control mode	Coaxial pressure handle			
Self Weight(Kg)	66	66	66	68
Voltage	Standard AC 220V(optional AC 380V)			
Working level of the organization	3m/M6	3m/M6	3m/M6	2m/M5
Ambient temperature (non-condensing)	-10℃-55℃			

*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.



X3S010/X3S020/X3S030 series product size



X3S060 series product size

CONFIGURATION DIAGRAM



B4 Coaxial Sliding Handle

The coaxial sliding handle directly determines the lifting speed according to its sliding stroke. The longer the stroke, the more significant the speed increase, providing rapid response for applications requiring quick lifting and handling.



B6 Coaxial Pressure Handle

Unlike traditional sliding handles, it accurately senses the operator's applied upward or downward pressure and converts it into steplessly adjustable lifting speed. This design not only greatly enhances intuitive control and precision but also easily adapts to various fixtures, enabling more efficient and labor-saving material handling.



E3 Remote Stepless Pressure Paddle Handle (Used with B6)

This handle is suitable for applications where overhead space is limited, the operator cannot get close to the load, or maximum effective stroke is required, as well as for situations where equipment factors cause tilting or lifting of the load.



B7 External Split Handle

The external split handle works better in working conditions with large or heavy loads while maintaining smooth controllability.



E3 Remote Stepless Pressure Paddle Handle (Used alone)

This handle type is required when the button handle needs to be kept at a certain distance from the wire rope load point or integrated with specific tooling fixtures.

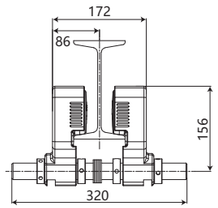


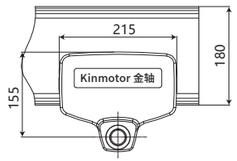
T1 Full-Touch Handle

Allows users to customize an extended handle frame (not standard) for a larger control range, flexibly adapting to custom tooling fixture solutions. The handle can be mounted on any part of the custom fixture, and the operator can apply force at any position on the extended frame to control lifting and lowering.

TRAVELLING TROLLEY

Manual Trolley

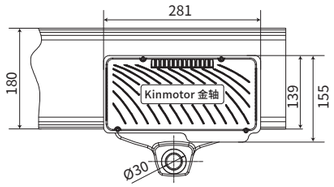


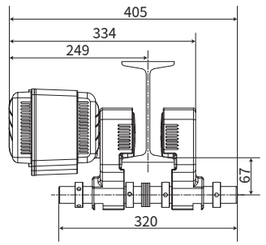




Servo Travel Trolley

I-Beam type



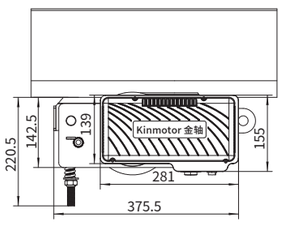


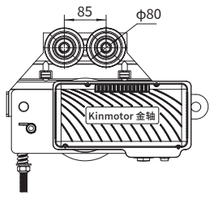


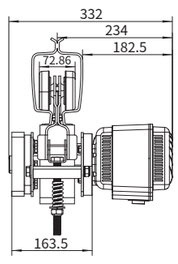
Model	Max Load(kg)	Speed (m/min)	Power(Kw)	Main Beam Flange Width(mm)
ED2-G	2000	0-16	0.75	74-2000

Note: The above speeds are all customizable.
Actual speed is subject to the nameplate on the product.

Flexible Track Trolley





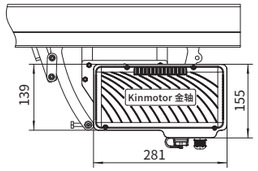


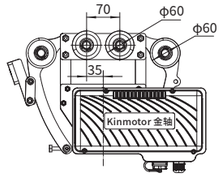


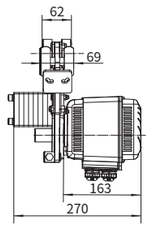
Model	Max Load(kg)	Speed (m/min)	Power(Kw)
ED2-K	2000	0-16	0.75

Note: The above speeds are all customizable.
Actual speed is subject to the nameplate on the product.

C-track type







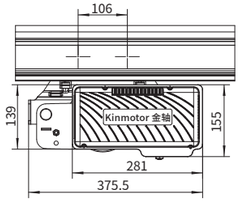


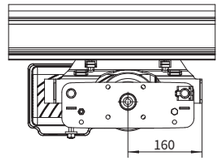
Model	Max Load(kg)	Speed (m/min)	Power(Kw)
ED2-C	2000	0-12	0.75

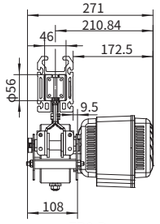
Note: The above speeds are all customizable.
Actual speed is subject to the nameplate on the product.



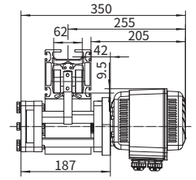
Aluminum track type







ED2-D

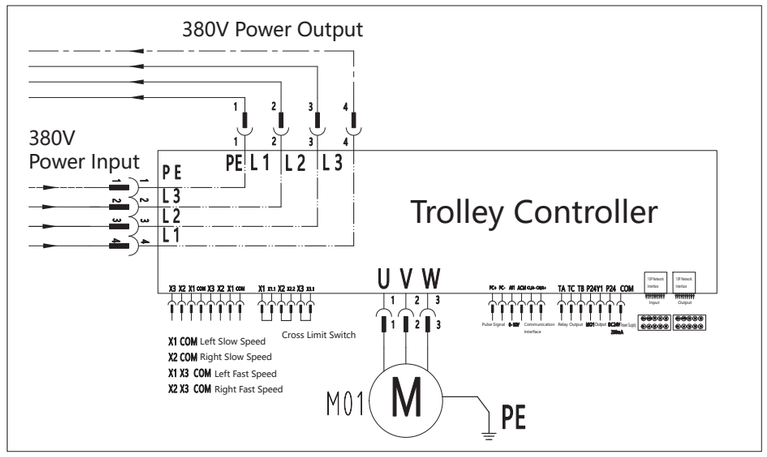


ED2-E

Model	Max Load(kg)	Speed (m/min)	Power(Kw)
ED2-D	2000	0-25	0.75
ED2-E	2000	0-24	0.75

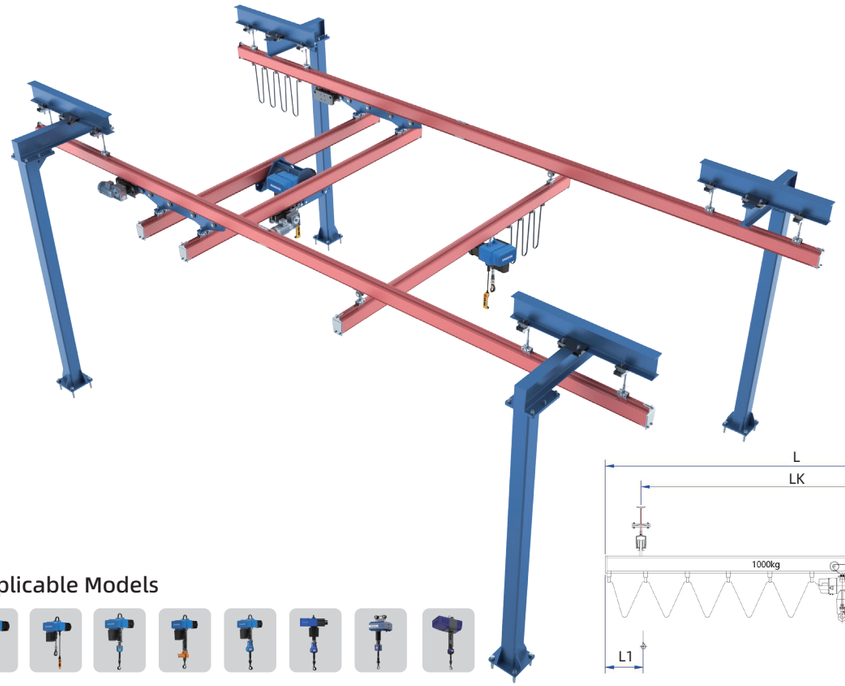
Note: The above speeds are all customizable.
Actual speed is subject to the nameplate on the product.

Wiring Diagram



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

KBK RAIL CRANE



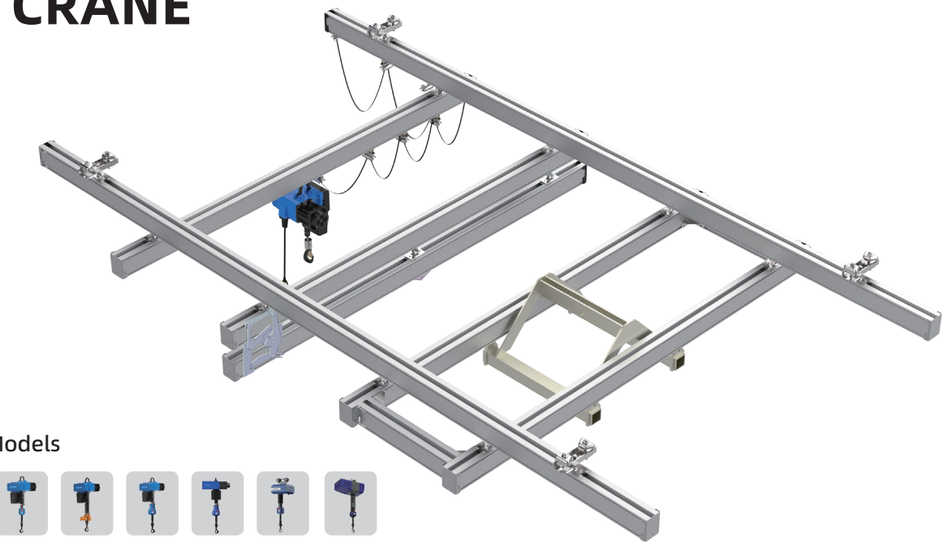
Applicable Models

KBK flexible light crane includes monorail, single beamdouble beam, telescopic beam and other types of craneslifting weight is 0.125t-2t to adapt to a very wide rangeespecially suitable for modern production transmissionline, crane system is light and flexible, good reliability,high stability, all parts are standard modules.It can ensurehigh quality and large quantity production.KBK profile andeach standard module can be used with bolt connection.easy to install,economical and practical, can save thespace and area of the factory, so as to reduce energyconsumption,improve enterprise efficiency.KBK systemcan be manually operated, but also can achieve automaticand semi-automatic operation.

Technical Parameters

Capacity(kg)		125	250	500	1000	2000
Span(mm)	LK	8500	7500	6000	5000	4000
totallength(mm)	L	9000	8000	7000	6000	5000
height (mm)	H	808	878	948	1100	1200
	h	335	335	335	365	365
Hanging(mm)	L1	470	470	525	585	645
	L2	100	100	100	250	250
Travelling System	Hoist trolley	Manual/Electric drive				
	End carriage	Manual/Electric drive				
Whole machine working level		A4/A5				

ALUMINUM RAIL CRANE



Applicable Models

Combined aluminum alloy rail crane, the maximum load can be up to 2000kg.
The overall modular design, ergonomic, light weight, high flexural strength and wear resistance. Relying on the anodized surface treatment and its own anti-corrosion, the product is very suitable for clean factories, fast working rhythm and high-precision processing conditions. The whole system is linked precisely, the parts run smoothly, the rolling resistance is small, and the mute effect is remarkable.

Rail Type



Single-rail type

Suitable for material work stations for straight-line conveying



Double-rail type

Suitable for material loading work stations for heavy straight-line conveying



Single-beam type

Suitable for dead-angle-free coverage any position within the area



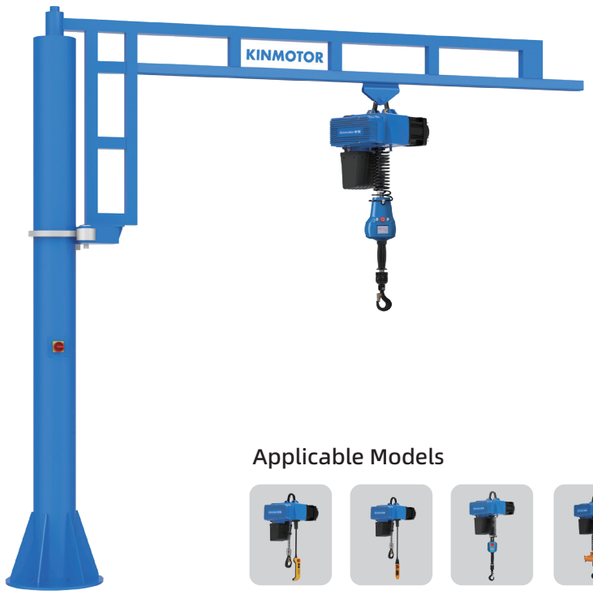
Double-beam type

Suitable for large span and large loads work stations that cannot be met by a single girder

Aluminum Model Dimensions

Lifting Capacity(Kg)	Model	Span (m)	Height (m)	Longitudinal travel(m)
125	JZ-K-125	2-7	2.5-4	Customized
250	JZ-K-250			
500	JZ-K-500			
1000	JZ-K-1000			
2000	JZ-K-2000			

JIB CRANE

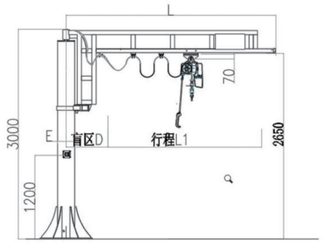


Applicable Models



MSJ 360 Jib Crane

- Max load 500 kg, boom length up to 4 m
  360° rotation with optional limit stop; easy manual operation. In most cases, it can be bolted directly to the floor without requiring a special foundation. Tapered roller bearings at the pivot ensure proper alignment between the boom and the pivot shaft, preventing unnecessary boom bounce.
- Enclosed track protects internal components
  Effectively prevents dust, debris, and liquids from entering the track, ensuring long-term stability even in harsh environments.
- Cost-effective
  Meets various application requirements with low power consumption, low energy use, and long service life.





MSJ 360 Jib Crane							
Lifting capacity	Model	Track model	H	L	E	D	L1
250kg	JZA250-2.5-3	65#	2000	2500	ϕ245x10	900	1750
	JZA250-3-3	65#	2000	3000	ϕ245x10	900	2250
	JZA250-3.5-3	65#	2000	3500	ϕ273x10	900	2750
	JZA250-4-3	65#	2000	4000	ϕ273x10	900	3250
300kg	JZA300-2.5-3	80#	2000	2500	ϕ273x10	1050	1750
	JZA300-3-3	80#	2000	3000	ϕ273x10	1050	2250
	JZA300-3.5-3	80#	2000	3500	ϕ273x10	1050	2750
	JZA300-4-3	80#	2000	4000	ϕ273x10	1050	2350
500kg	JZA500-2.5-3	80#	2000	2500	ϕ325x10	1050	1550
	JZA500-3-3	80#	2000	3000	ϕ325x10	1050	2050
	JZA500-3.5-3	80#	2000	3500	ϕ325x10	1050	2550
	JZA500-4-3	80#	2000	4000	ϕ325x10	1050	3050

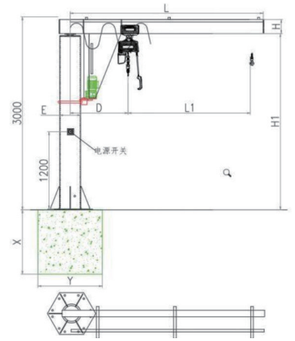
*Final dimensions subject to actual product



Applicable Models (can be used in combination with electric/manual trolley)

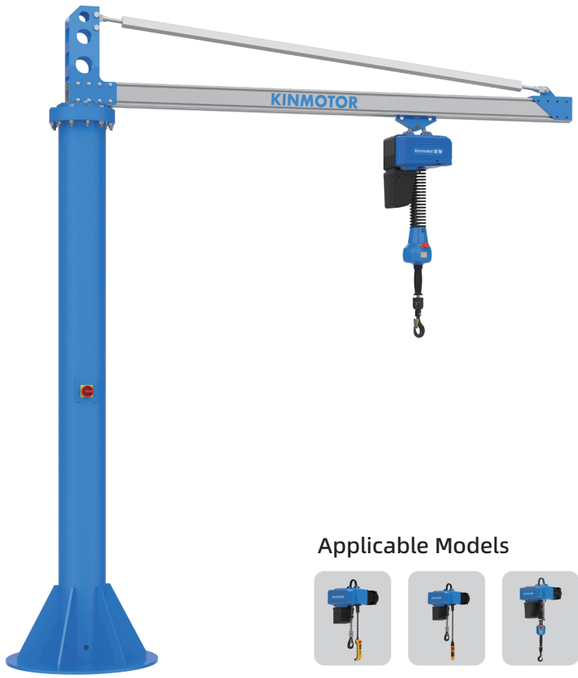
I-beam Jib Crane

- Max load 3000 kg, boom length up to 5 m
  360° rotation with optional limit stop; easy manual operation. Can be combined with a folding arm to cover a sector-shaped work area, more precisely meeting material handling needs.
- Electric rotation
  The slip ring provides power supply during any rotation of the boom, enabling control of functions such as left/right slewing of the jib crane.
- Frequency conversion control
  Enables both electric and manual rotation. Uses a well-known brand rotation motor mounted on the ground. Whether a buried foundation is required depends on the span and weight.



I-beam Jib Crane									
Lifting capacity	Model	H	L	E	D	L1	H1	X	Y
500kg	JZB500-3-3	220	3000	ϕ325x10	900	1950	2740	1000	1000
	JZB500-4-3	250	4000	ϕ325x10	900	2950	2710	1000	1000
	JZB500-5-3	280	5000	ϕ377x10	1100	3750	2680	1000	1000
1000kg	JZB1000-3-3	280	3000	ϕ377x10	1000	1850	2680	1000	1000
	JZB1000-4-3	280	4000	ϕ377x10	1000	2850	2680	1000	1000
	JZB1000-5-3	320	5000	ϕ426x10	1100	3650	2650	1000	1000
2000kg	JZB2000-3-3	320	3000	ϕ426x10	1100	1700	2640	1000	1000
	JZB2000-4-3	320	4000	ϕ426x10	1100	2700	2640	1200	1200
	JZB2000-5-3	300+150	5000	ϕ426x10	1250	2550	2550	1200	1200
3000kg	JZB3000-3-3	300+150	3000	ϕ530x10	1250	1550	2550	1200	1200
	JZB3000-4-3	300+150	4000	ϕ530x10	1250	2550	2550	1500	1500
	JZB3000-5-3	4000+200	5000	ϕ630x10	1250	3500	2400	1500	1500

*Final dimensions subject to actual product

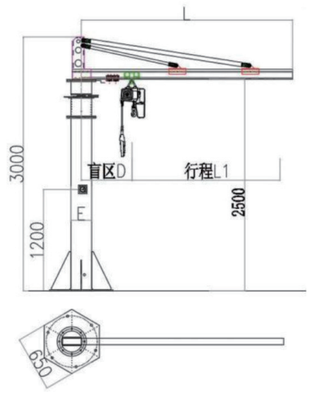


Applicable Models



Aluminum Alloy Intelligent Jib Crane

- Max load 500 kg, boom length up to 4 m
  260° rotation with optional limit stop; easy manual operation. Can be combined with a folding arm to cover a sector-shaped work area, more precisely meeting material handling needs.
- Aluminum alloy construction for lighter weight
  Low self-weight, smooth rotation, easy operation, high work efficiency.
  Easy operation
  Lightweight design makes handling more flexible, suitable for frequent use.



Aluminum Alloy Intelligent Jib Crane							
Lifting capacity	Model	Track model	H	L	E	D	L1
250kg	JZC250-2.5-3	A12	2000	2500	ϕ245x10	650	1600
	JZC250-3-3	A12	2000	3000	ϕ245x10	650	2100
	JZC250-3.5-3	A12	2000	3500	ϕ273x10	650	2600
	JZC250-4-3	A12	2000	4000	ϕ273x10	650	3100
300kg	JZC300-2.5-3	A16	2000	2500	ϕ273x10	650	1600
	JZC300-3-3	A16	2000	3000	ϕ273x10	650	2100
	JZC300-3.5-3	A16	2000	3500	ϕ273x10	650	2600
	JZC300-4-3	A16	2000	4000	ϕ273x10	650	3100
500kg	JZC500-2.5-3	A18	2000	2500	ϕ325x10	650	1600
	JZC500-3-3	A18	2000	3000	ϕ325x10	650	2100
	JZC500-3.5-3	A18	2000	3500	ϕ325x10	650	2600
	JZC500-4-3	A18	2000	4000	ϕ325x10	650	3100

*Final dimensions subject to actual product

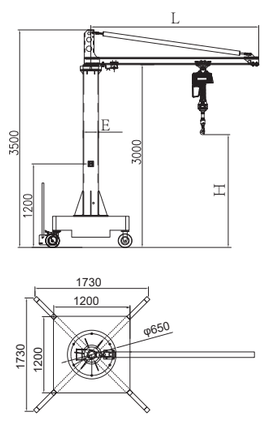


Applicable Models



Mobile Intelligent Aluminum Alloy Jib Crane

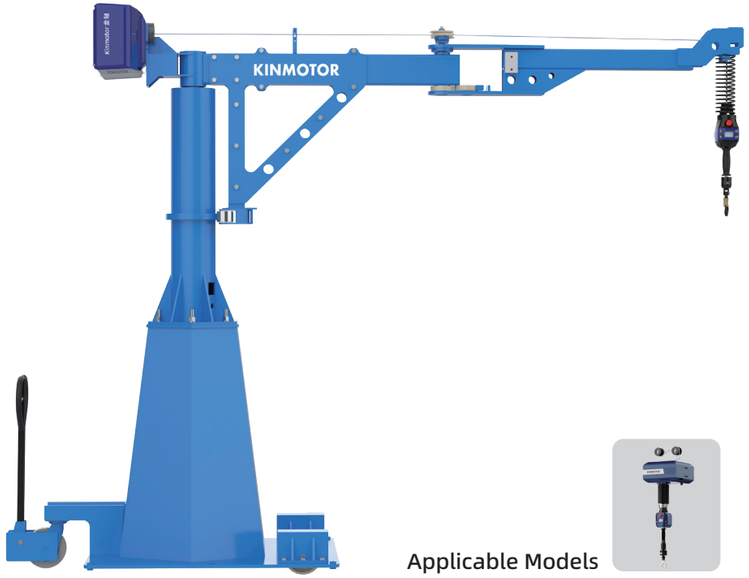
- Max load capacity 300 kg, jib length up to 3.5 m.
  260° slewing. Limit stops are optional. Light manual travelling. It can be combined with articulated jib to cover a fan-shaped working area, meeting material handling requirements with higher precision.
- Efficient and Flexible Material Handling
  It features a larger working range and superior flexibility. It can move freely in confined spaces and easily reach any position within the working zone, greatly improving the efficiency and convenience of material handling.
- Lightweight Aluminum Alloy Construction
  Low self-weight, flexible slewing and simple operation for high working efficiency.



Mobile Aluminum Alloy Jib Crane				
Lifting capacity	Model	H	L	E
100kg	JZY100-2.5-3	1800	2500	ϕ245x10
	JZY100-3-3	1800	3000	ϕ245x10
	JZY100-3.5-3	1800	3500	ϕ273x10
200kg	JZY200-2.5-3	1800	2500	ϕ245x10
	JZY200-3-3	1800	3000	ϕ245x10
	JZY200-3.5-3	1800	3500	ϕ273x10
300kg	JZY300-2.5-3	1800	2500	ϕ325x10
	JZY300-3-3	1800	3000	ϕ325x10
	JZY300-3.5-3	1800	3500	ϕ325x10

*Final dimensions subject to actual product

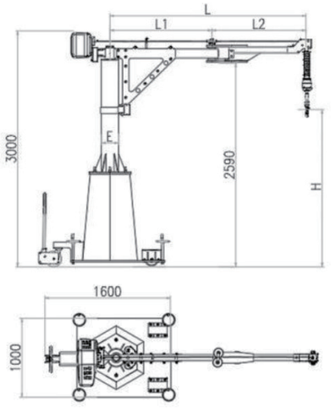
FOLDING JIB CRANE



Applicable Models

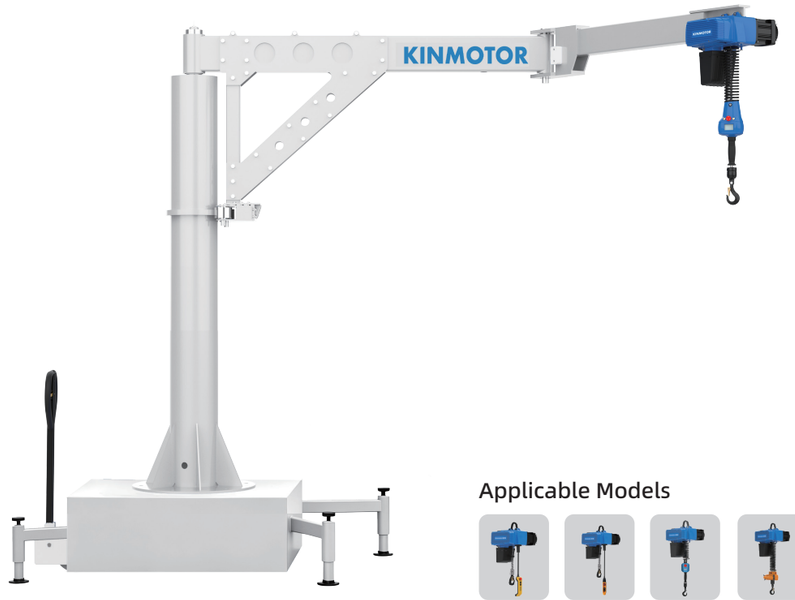
Mobile Intelligent Folding Jib Crane

- Max load 200 kg, boom length up to 3 m
  360° rotation with optional limit stop; easy manual operation. Can be combined with a folding arm to cover a sector-shaped work area, more precisely meeting material handling needs.
- Efficient and flexible material handling
  Offers a larger working range and greater flexibility, allowing free movement in tight spaces and easy access to any position in the work area, greatly improving the efficiency and convenience of material handling.
- Wide application range
  Suitable for various industries, including but not limited to construction machinery, electronics manufacturing, airports, metal processing, automotive parts, and more.



Mobile Intelligent Folding Jib Crane						
Lifting capacity	Model	H	L	E	L2	L1
100kg	JZD100-2.5-3	2000	2500	ϕ245x10	1200	1300
	JZD100-3-3	2000	3000	ϕ245x10	1400	1600
200kg	JZD200-2.5-3	2000	2500	ϕ273x10	1200	1300
	JZD200-3-3	2000	3000	ϕ273x10	1400	1600

*Final dimensions subject to actual product

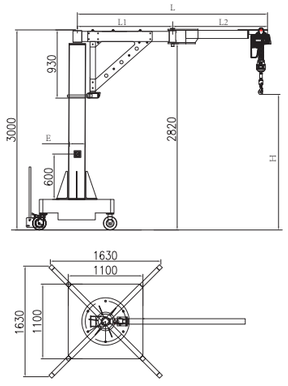


Applicable Models



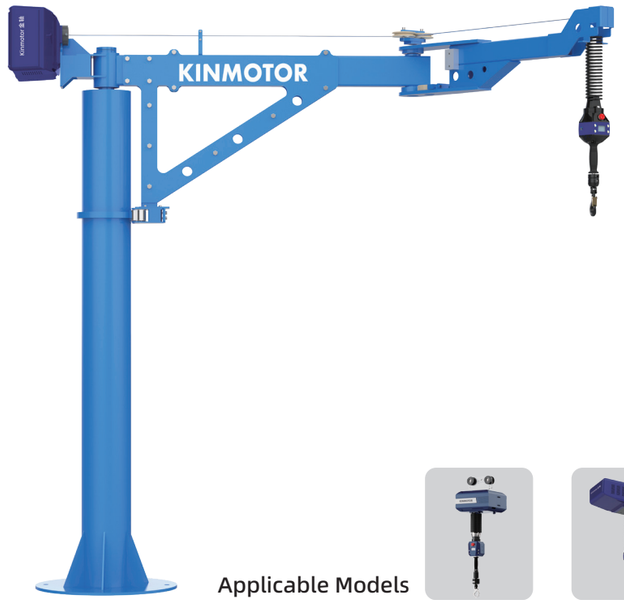
Mobile Front-mounted Articulating Jib Crane

- Max load capacity 300 kg, jib length up to 3.5 m.
  360° slewing. Limit stops are optional. Light manual travelling. It can be combined with articulated jib to cover a fan-shaped working area, meeting material handling requirements with higher precision.
- Efficient and Flexible Material Handling
  It delivers an extended working range and excellent flexibility. It can move freely in confined spaces and easily reach any position within the working zone, greatly improving the efficiency and convenience of material handling.
- Wide Range of Applications
  Suitable for various industries, including but not limited to construction machinery, electronic manufacturing, airports, metal processing and auto parts.



Mobile Front Articulating Jib Crane						
Lifting capacity	Model	H	L	E	L2	L1
100kg	JZQ100-2.5-3	2000	2500	ϕ245x10	1200	1300
	JZQ100-3-3	2000	3000	ϕ245x10	1400	1600
	JZQ100-3.5-3	2000	3500	ϕ273x10	1700	1800
200kg	JZQ200-2.5-3	2000	2500	ϕ273x10	1200	1300
	JZQ200-3-3	2000	3000	ϕ273x10	1400	1600
	JZQ200-3.5-3	2000	3500	ϕ273x10	1700	1800
300kg	JZQ300-2.5-3	2000	2500	ϕ325x10	1200	1300
	JZQ300-3-3	2000	3000	ϕ325x10	1400	1600
	JZQ300-3.5-3	2000	3500	ϕ325x10	1700	1800

*Final dimensions subject to actual product

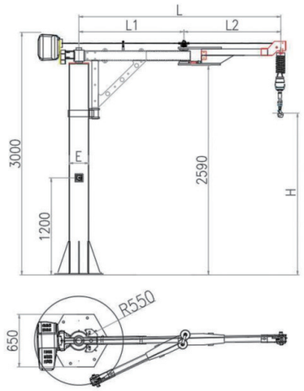


Applicable Models



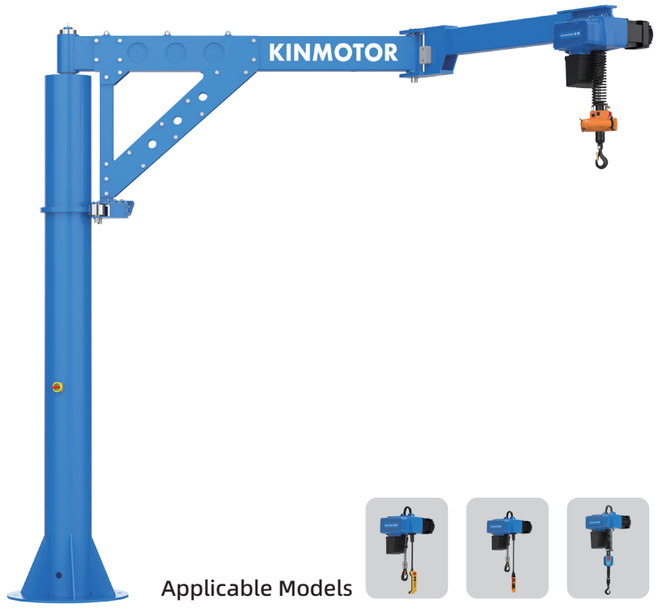
Rear-mounted Intelligent Folding Jib Crane

- Max load 300 kg, boom length up to 4 m
  360° rotation with optional limit stop; easy manual operation. Can be combined with a folding arm to cover a sector-shaped work area, more precisely meeting material handling needs.
- Efficient and flexible material handling
  Offers a larger working range and greater flexibility, allowing free movement in tight spaces and easy access to any position in the work area, greatly improving the efficiency and convenience of material handling.
- Wide application range
  Suitable for various industries, including but not limited to construction machinery, electronics manufacturing, airports, metal processing, automotive parts, and more.



Rear-mounted Intelligent Folding Jib Crane						
Lifting capacity	Model	H	L	E	L2	L1
100kg	JZE100-2.5-3	2000	2500	ϕ245x10	1200	1300
	JZE100-3-3	2000	3000	ϕ245x10	1400	1600
	JZE100-3.5-3	2000	3500	ϕ273x10	1700	1800
	JZE100-4-3	2000	4000	ϕ273x10	1800	2200
200kg	JZE200-2.5-3	2000	2500	ϕ273x10	1200	1300
	JZE200-3-3	2000	3000	ϕ273x10	1400	1600
	JZE200-3.5-3	2000	3500	ϕ273x10	1700	1800
	JZE200-4-3	2000	4000	ϕ273x10	1800	2200
300kg	JZE300-2.5-3	2000	2500	ϕ325x10	1200	1300
	JZE300-3-3	2000	3000	ϕ325x10	1400	1600
	JZE300-3.5-3	2000	3500	ϕ325x10	1700	1800
	JZE300-4-3	2000	4000	ϕ325x10	1800	2200

*Final dimensions subject to actual product

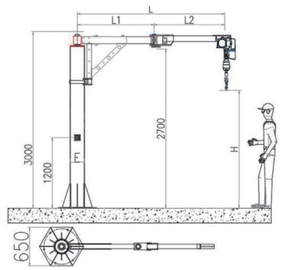


Applicable Models



Front-mounted Intelligent Folding Jib Crane

- Max load 500 kg, boom length up to 4 m
  360° rotation with optional limit stop; easy manual operation. Can be combined with a folding arm to cover a sector-shaped work area, more precisely meeting material handling needs.
- Outstanding flexibility
  The folding arm movement is controllable, enabling complex operations in confined spaces such as "lifting in low headroom" and "extending over long distances". Rotational damping allows adjustment of the folding arm's flexibility.
- Wide applicability
  Compatible with various electric hoists and lifting units.



Front-mounted Intelligent Folding Jib Crane						
Lifting capacity	Model	H	L	E	L2	L1
100kg	JZF100-2.5-3	2000	2500	ϕ245x10	1200	1300
	JZF100-3-3	2000	3000	ϕ245x10	1400	1600
	JZF100-3.5-3	2000	3500	ϕ273x10	1700	1800
	JZF100-4-3	2000	4000	ϕ273x10	1800	2200
200kg	JZF200-2.5-3	2000	2500	ϕ273x10	1200	1300
	JZF200-3-3	2000	3000	ϕ273x10	1400	1600
	JZF200-3.5-3	2000	3500	ϕ273x10	1700	1800
	JZF200-4-3	2000	4000	ϕ273x10	1800	2200
300kg	JZF300-2.5-3	2000	2500	ϕ325x10	1200	1300
	JZF300-3-3	2000	3000	ϕ325x10	1400	1600
	JZF300-3.5-3	2000	3500	ϕ325x10	1700	1800
	JZF300-4-3	2000	4000	ϕ325x10	1800	2200
500kg	JZF500-2.5-3	2000	2500	ϕ325x10	1200	1300
	JZF500-3-3	2000	3000	ϕ325x10	1400	1600
	JZF500-3.5-3	2000	3500	ϕ325x10	1700	1800
	JZF500-4-3	2000	4000	ϕ325x10	1800	2200

*Final dimensions subject to actual product

MOBILE GANTRY CRANE



Applicable Models



Gantry crane has 2 type which are adjustable height type and fixed height type. lt is a cost-effective material handling solution. The product uses vertical square pipe, diagonal support and trough lower beam as the main structure to achieve stable material lifting and handling.

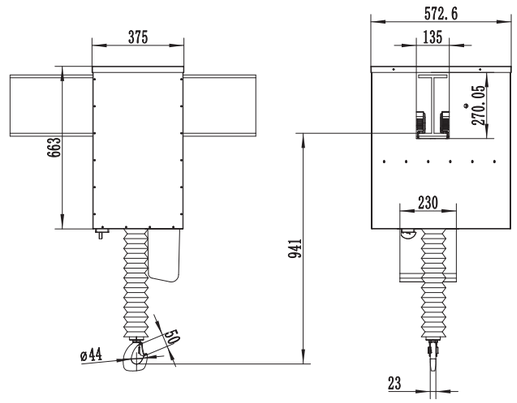
Features

- ◆Lifting weight up to 2000kg, span up to 9m, beam heightup to 6m.
- ◆Non-abrasive polyurethane casters can achieve smallrolling resistance and easy movement.
- ◆Bolt the beam in the vertical direction to ensure that thebeam will not fall off.

Lifting Capacity(Kg)	Model	Height (m)
125	JZ-G-125	2-6
250	JZ-G-250	
500	JZ-G-500	
1000	JZ-G-1000	
2000	JZ-G-2000	

*Final dimensions subject to actual product

CLEAN ROOM TRAVELLING TYPE





Product Specifications and Dimensions

Item name \ Model	CLEAN ROOM TRAVELLING TYPE				
Rated load (kg)	125	250	500	1000	2000
Standard speed (m/min)	1/12	1/12	1/8	1/8	0.5/4
Rated power (kW)	0.75	0.75	1.1	2.2	2.2
Power supply	AC380V	AC380V	AC380V	AC380V	AC380V
Spec.of Load Chain(mm)	5.0	5.0	5.0	7.1	7.1
Working level	3m/M6	3m/M6	3m/M6	2m/M5	2m/M5

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

CASE STUDY



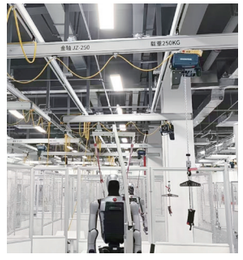



Installation Solution Of Folding Jib Crane






Installation Solution Of Jib Crane






Workstation Crane Installation Solution

PRODUCTION PROCESS

100% self-developed technology
over 85% in-house manufacturing rate



SMT Fully Automated Mounting Workshop



AOI Visual Inspection Area



Conformal Coating Workshop



CNC Machining Center Workshop



Servo Motor Winding Area



Assembly Workshop



Factory testing area



Finished Product Packaging Area



Warehouse Workshop

SOME PARTNERS