



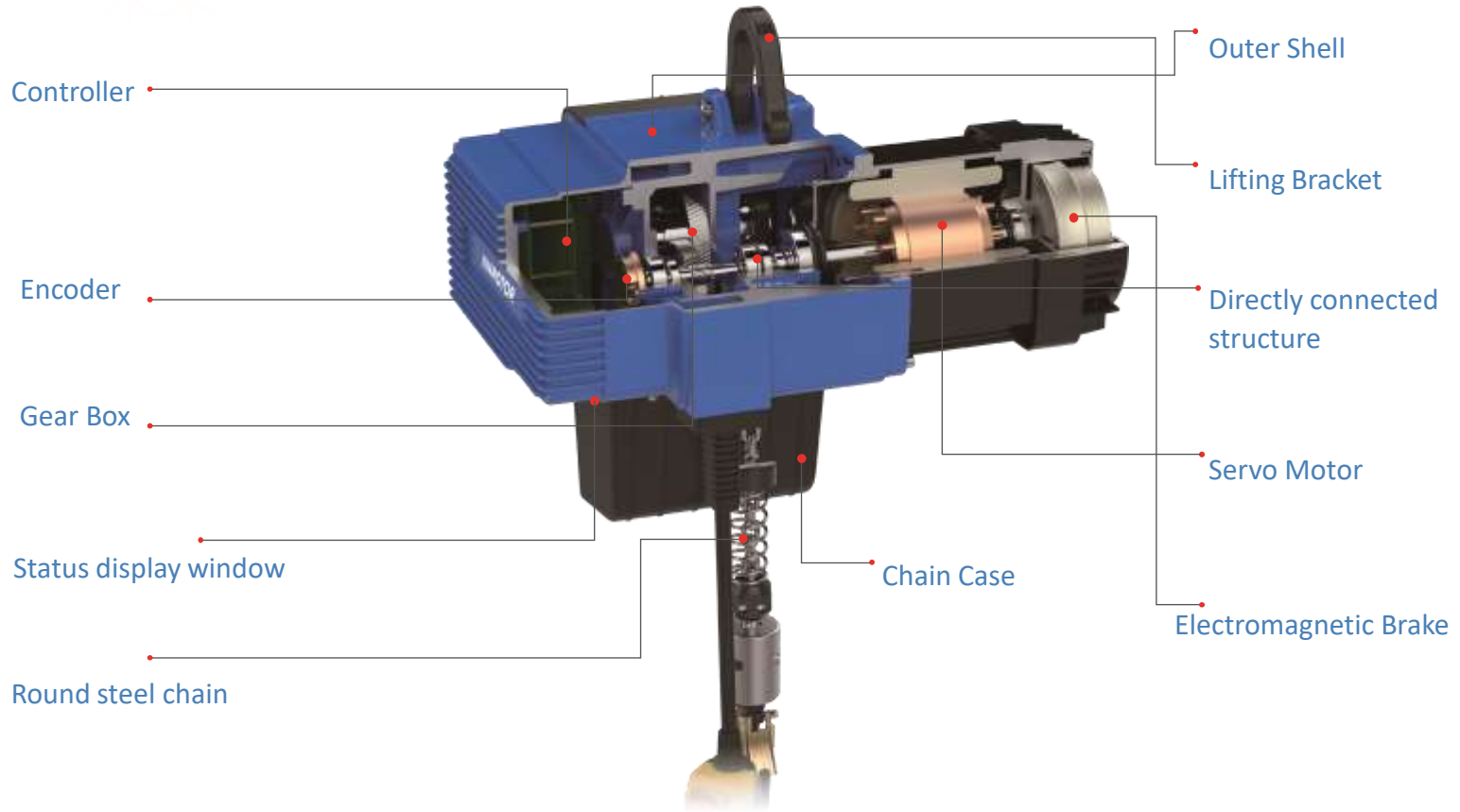
苏州珂盟精密机械有限公司  
SUZHOU KM PRECISION MACHINERY CORPORATION

# INTELLIGENT LIFTING DEVICE MANUFACTURER





## Innovation Leads The Future





## Intelligent Lifting Hoist – D3 Series

### Coaxial handle



- The D3 series workstation Intelligent Lifting Device is made of aluminum housing, light weight and strong, and has its own patented technology, using an industrial processor-controlled servo drive system to achieve unmatched handling speed and assembly accuracy.
- It combines advanced technology with human movement commands, like the operator's extended arm, to lift and move heavy objects with ease. Golden shaft station intelligent elevator for you to achieve maximum production efficiency, reduce the physical strength of production personnel, while reducing the rate of product damage, reduce the occurrence of industrial accidents.



## Key Features:

### 1: Handle/floating mode

- Handle mode:

Ergonomic, single hand can realize the load up and down movement, correct control

- Floating mode:

Fingertip control, according to the operator wishes to move fast and slow, effortless instantaneous response. Operator

### 2. Stepless speed/controllable speed

The station intelligent elevator can move fast or slow with the operator's action and float freely move. It is especially suitable for assembly applications that require both fast movement and slow precision alignment

### 3: Accurate alignment function

Extremely accurate alignment control function, so that the operator can accurately and stably control precision and easy Broken work items

### 4: Safe and Reliable

- Overload protection function

Automatic weight sensing can realize the weight of the load, if the rated load is exceeded, it will immediately alarm and do not allow the load to be lifted.

- Photoelectric sensing function:

The operating handle of the intelligent hoist is integrated with photoelectric sensors, which allow the device to move only after sensing the operator in place to prevent accidental touch.

- Power failure protection function:

When power failure occurs, the safety brake of the intelligent lifting device is actively locked, and no load fall will occur.



# Intelligent Lifting Hoist – D3 Series

## Coaxial handle



### Product Specification:

No.	D3L012	D3L025	D3L050
Maximum Load(kg)	125	250	500
Lifting Speed (m/min)	0-18	0-15	0-12
Rated Power(KW)	0.75	0.75	1.1
Maximum vertical range(m)	2.8 (Customizable)		
Control Mode	Coaxial Sliding Handle		
Weight( kg )	27	27	36
Chain Specification(mm)	5.0	5.0	6.3
Power	Standard 380V (Optional 220V)		
Organization Job Level	M5	M5	M5
Operating temperature (°C)	-10°C~55°C		

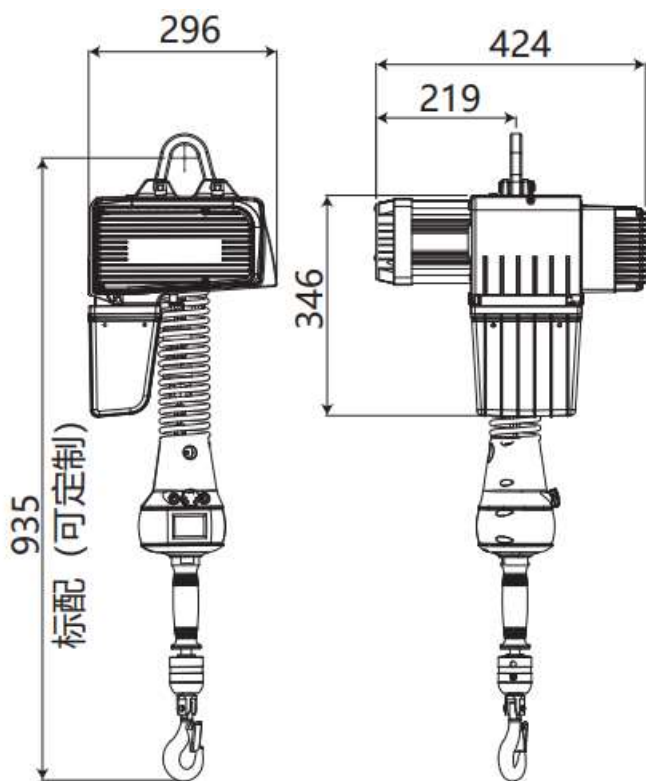


# Intelligent Lifting Hoist – D3 Series

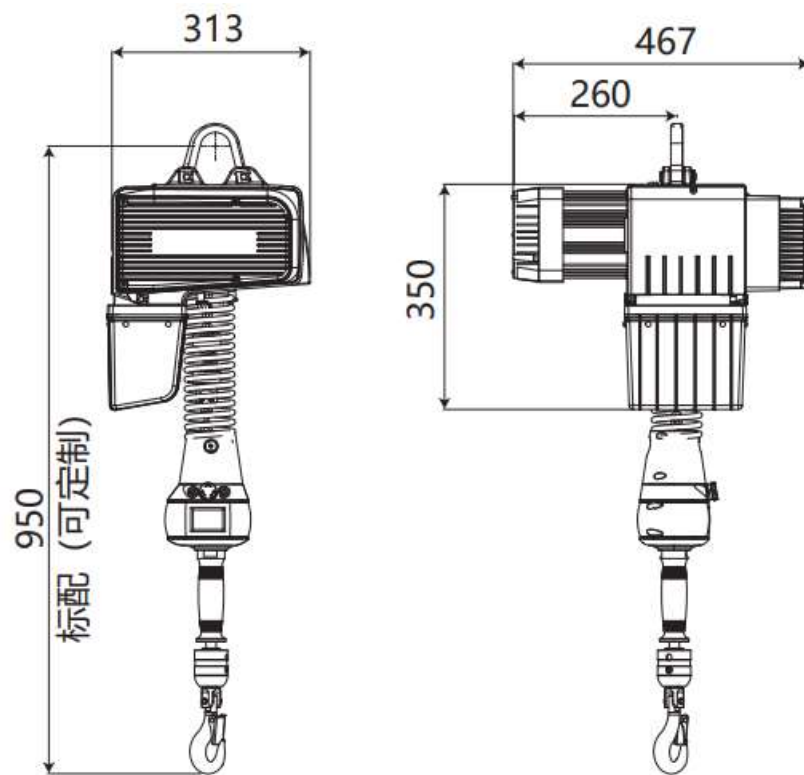
## Coaxial handle



Dimension:



D3L012/D3L025系列产品尺寸



D3L050系列产品尺寸



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# Intelligent Lifting Hoist – D3 Series

## Hand Held Type



### Key Features:

- 1: Handle using ergonomic principle, comfortable grip, with two-sided control lever, single-hand can easily control the material lifting, and can be alternately controlled by switching hands .
2. The stepless speed can achieve millimeter-level movement, which is not only more accurate positioning, but also operation, lifting and landing more stable, give full play to the intelligent elevator fast stable characteristics;
- 3: High cost performance, suitable for all kinds of station hoisting. Not only reduce the labor intensity, but also improve the smart outfit standby level, to ensure the fast pace of automation work.



# Intelligent Lifting Hoist – D3 Series

## Hand Held Type

No.	D3L012- F	D3L025 – F	D3L050 - F
Maximum Load(kg)	125	250	500
Lifting Speed (m/min)	0-18	0-15	0-12
Rated Power(KW)	0.75	0.75	1.1
Maximum vertical range(m)	2.8 (Customizable)		
Control Mode	Hand-held stepless transmission handle		
Weight( kg )	23	23	32
Chain Specification(mm)	5.0	5.0	6.3
Power	Standard 380V (Optional 220V)		
Organization Job Level	M5	M5	M5
Operating temperature (°C)	-10°C~55°C		

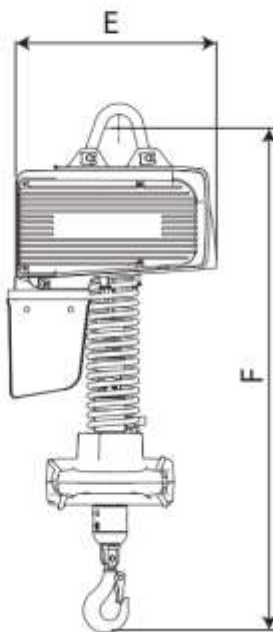
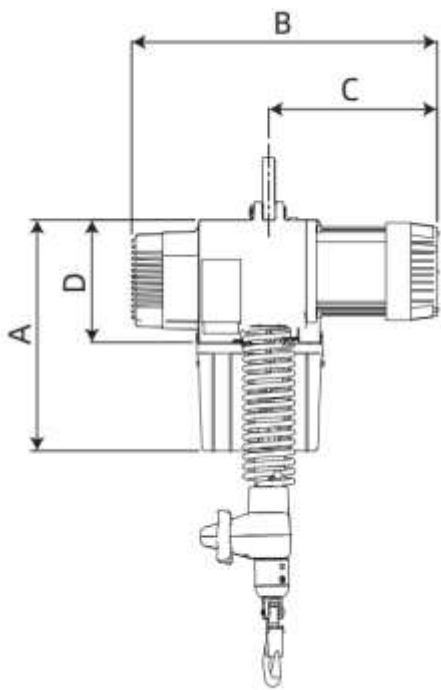




# Intelligent Lifting Hoist – D3 Series

## Hand Held Type

Dimension:



型号	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



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## Intelligent Lifting Hoist – Q5 Series



### Key Features:

- ① Handle mode
- ② Floating mode
- ③ Stepless speed change
- ④ Precise counterpoint
- ⑤ Overload protection
- ⑥ Photoelectric sensor
- ⑦ Anti-rebound
- ⑧ Power-off protection



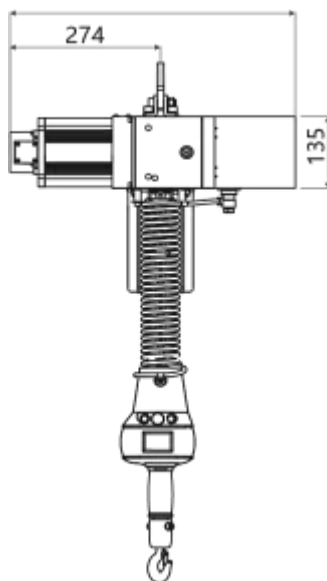
## Intelligent Lifting Hoist – Q5 Series

No.	Q5L010	Q5L020	D3L030	D3L050
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
Maximum vertical range(m)	2.8 (Customizable)			
Control Mode	Coaxial Sliding Handle			
Weight( kg )	40	40	45	45
Chain Specification(mm)	5.0	5.0	6.3	6.3
Power	Standard 220V (Optional 380V)			
Organization Job Level	M5			
Operating temperature (°C)	-10°C~55°C			

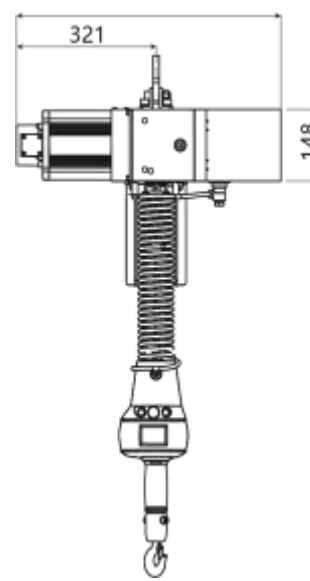
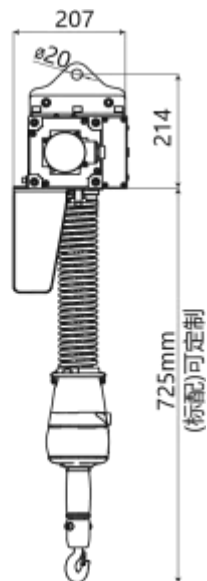


# Intelligent Lifting Hoist – Q5 Series

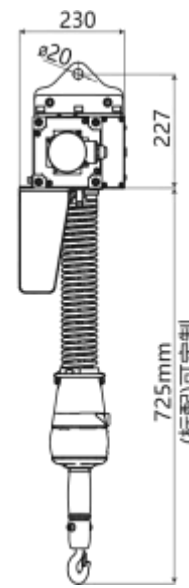
Dimension:



Q5L010/Q5L020



Q5L030/Q5L050





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## Intelligent Lifting Hoist – X3 Series



### Key Features:

1. The wire rope structure with higher accuracy replaces the traditional ring chain structure, and the running speed is higher quick, more accurate matchups.
2. The fastest speed can reach 30m/min, and the lowest speed is as low as 0.05m/min, which ensures the move precise control when transporting and assembling precision instruments or bump-prone parts.
3. Start, run, landing has better stability, the use of small strands tightly wound thick steel wire rope can have effect to avoid rotation and distortion, with the built-in planetary reducer, smooth and noiseless during operation test more vividly.



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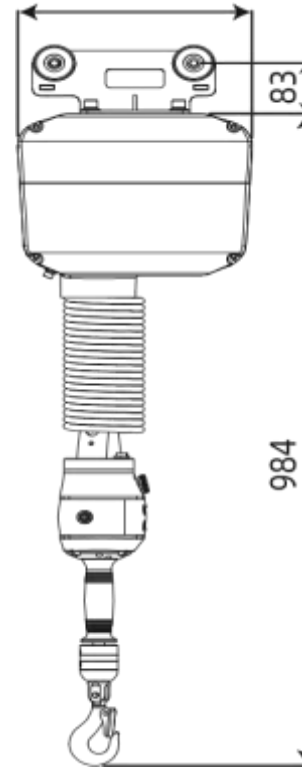
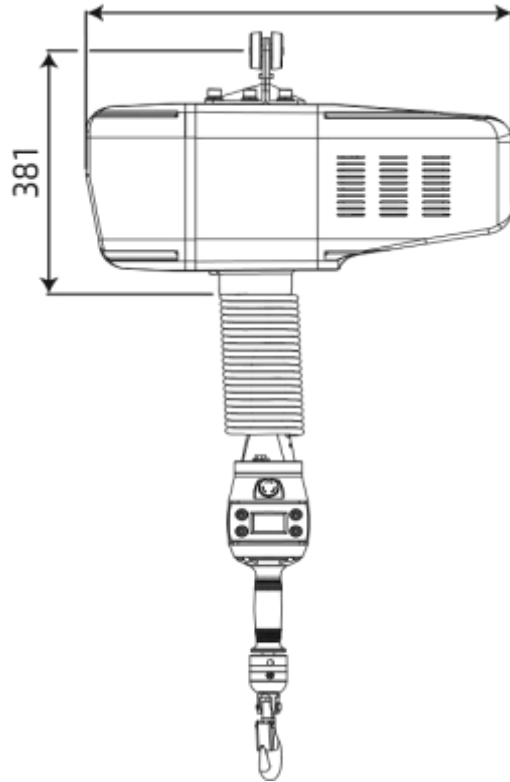
## Intelligent Lifting Hoist – X3 Series

No.	X3S010	X3S020	X3S030	X3S060
Maximum Load(kg)	100	200	300	600
Lifting Speed (m/min)	30	25	20	16
Rated Power(KW)	0.8	0.8	1.1	1.1
Maximum Vertical Range(m)	2.5			1.6
Control Mode	Coaxial Pressure Handle			
Weight( kg )	40	43	45	45
Chain Specification(mm)	5.0	5.0		6.3
Power	Standard 220V (Optional 380V)			
Organization Job Level	M5	M5		M5
Operating temperature (°C)	-10°C~55°C			



# Intelligent Lifting Hoist – X3 Series

Dimension:





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## Servo Chain Hoist— D2 Series



### Product description:

D2 series servo chain hoist with aluminum housing, light weight and strong, low net empty design, and the use of servo drive control and special servo motor, can give full play to the power Lifting properties of reed.

Electronic friction clutch design, through a special algorithm, has a start Dynamic stability, no vibration, no impact, maintenance-free characteristics, can maximize the protection of teeth Service life of wheel box and machine.

Wide range of lifting and falling speed, high precision, the most Low up to 0.05m/min, full protection function, fast response speed, equipment safety Rich control interface, easy to control all kinds of peripherals, especially suitable for high-precision installation





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## Servo Chain Hoist— D2 Series



### Key Features:

1. Special servo motor, smooth operation performance.
2. Stepless speed change, accurate positioning. Wide range of lifting and falling speed, high accuracy, the lowest up to 0.05m/min, flexible choice.
3. Quiet, smooth no vibration, accurate alignment accuracy is high.
4. Electronic friction clutch design, long service life, maintenance-free.
5. Rich interfaces, flexible configuration, can be adapted to a variety of control interface signals



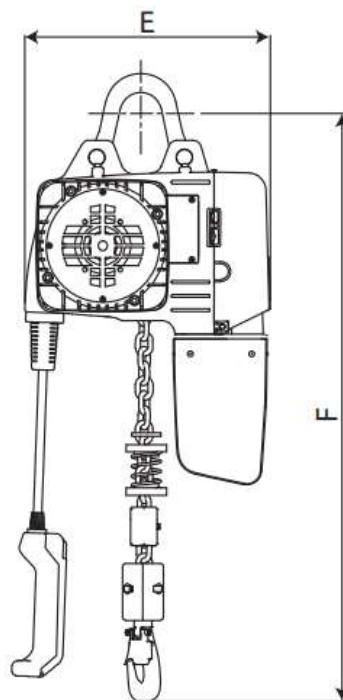
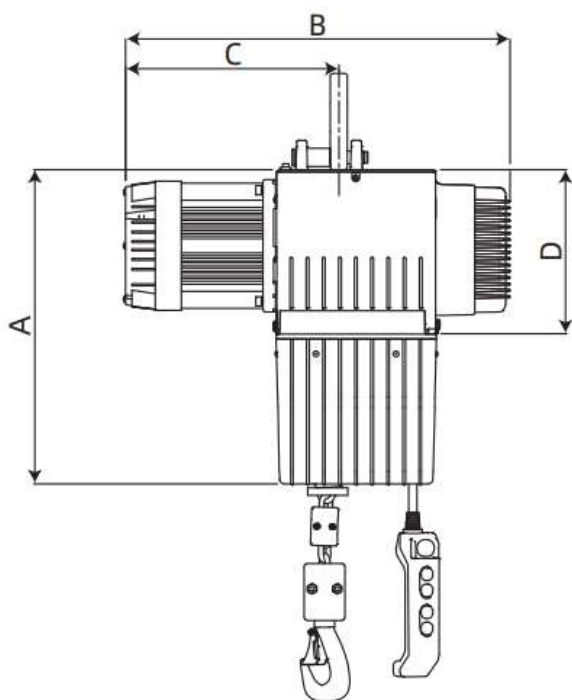
## Servo Chain Hoist— D2 Series

No.	D2C012	D2C025	D2C050	D2C100	D2C200
Maximum Load(kg)	125	250	500	1000	2000
Lifting 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
Maximum vertical range(m)	4/5/8/11 (Customizable)				
Control Mode	Wire button/remote button				
Weight( kg )	25	25	32	52	62
Chain Specification(mm)	5.0	5.0	6.3	7.1	7.1
Power	Standard 380V (Optional 220V)				
Organization Job Level	M5				
Operating temperature (°C)	-10°C~55°C				



# Servo Chain Hoist— D2 Series

## Dimension:



型号	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 < 590



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## Variable Frequency Chain Hoist— D2 Series



### Product description:

D2 series variable frequency chain hoist with aluminum housing, light weight and strong, low net empty design, and the use of custom frequency conversion driver with special frequency conversion motor, for the lifting of the hoist is controlled and the speed can be adjusted arbitrarily, which can be lower than the conventional low speed gear 1/2, high speed can be higher than 50% of the conventional high-speed gear, smooth operation, and lifting and stopping vibration is small, no impact, low failure rate, strong protection ability, the whole machine. Long service life, reserve a variety of control interfaces, easy to automate control.



# Variable Frequency Chain Hoist— D2 Series



## Key Features:

1. Custom frequency conversion drive, special frequency conversion motor, reliable and stable
2. Speed range (customizable), low speed can be less than 1/2 of the conventional low speed, high speed can be higher than the conventional 50% of high-speed gear (when the rated load is less than 10%);
- 3: Low noise, stable and no vibration, high control accuracy;
4. Perfect and multiple protection functions to ensure safe and stable operation
5. Compared with the traditional hoist, the response speed is faster, the operation is more reliable, the fault is lower, and the service life is longer;
6. Many interfaces, flexible configuration, can be adapted to a variety of control interface signals, easy to automate control.
7. Built-in remote control module to control the operation of electric travel drives.

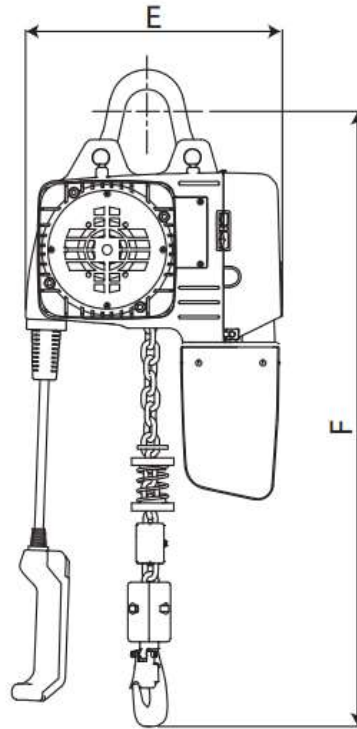
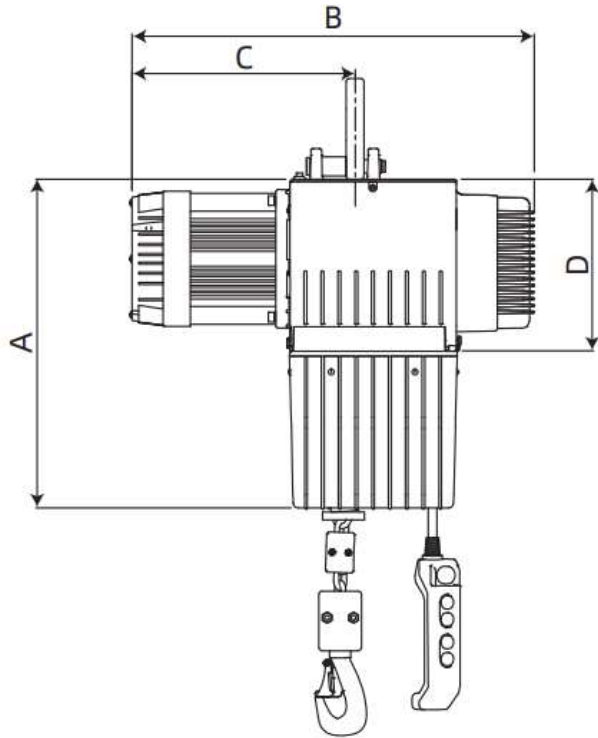


# Variable Frequency Chain Hoist— D2 Series

No.	D2B012	D2B025	D2B050	D2B100	D2B200
Maximum Load(kg)	125	250	500	1000	2000
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
Maximum vertical range(m)	4/5/8/11 (Customizable)				
Control Mode	Wire button/remote button				
Weight( kg )	25	25	32	52	62
Chain Specification(mm)	5.0	5.0	6.3	7.1	7.1
Power	Standard 380V (Optional 220V)				
Organization Job Level	M5				
Operating temperature (°C)	-10°C~55°C				



# Variable Frequency Chain Hoist— D2 Series



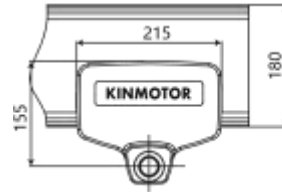
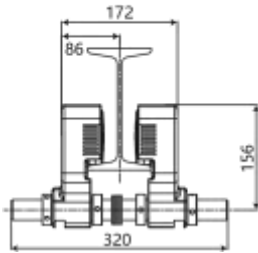
型号	A	B	C	D	E	F
D2B012	346	424	219	167	296	h < 470
D2B025	346	424	219	167	296	h < 470
D2B050	350	468	260	188	313	h < 480
D2B100	446	546	303	233	349	h < 590
D2B200	446	546	303	233	349	h < 590



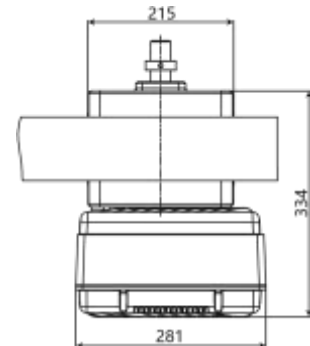
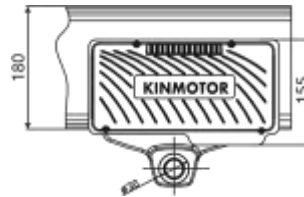
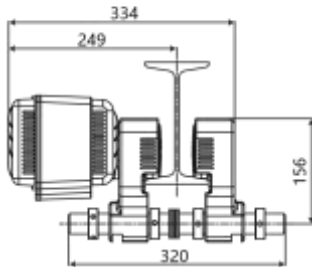
# Electric Travel Drives



## 手动小跑车 Manual Travel Drives



## 电动小跑车 Electric Travel Drives



Model	Maximum load including dead weight (Kg)	Full load speed (m/min)	No-load speed (m/min)	Weight (Kg)
ED2-220	2200	25/1	30	8





# Installation Solution

## 1. Folding arm lifting installation solution





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# Installation Solution

## 2. Cantilever lifting installation solution





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# Installation Solution

## 3. Light rail installation solution





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## Industry Applications - 1





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## Industry Applications - 2





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## Industry Applications - 3





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## **Introduction**

**Suzhou KM Precision Machinery Corporation specialized in manufacturing Intelligent Lifting Devices and Servo Chain Hoist.**

**Our products has quite good quality and competitive price in the market and have over 10 years of experience in this field.**

**Any interests, please feel free to contact us.**

**Nice day.**

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