Perfect Shape

Reasonable Design

Efficient Function

Worlds Top Class Electric Chain Hoist

HHBD-II

HHBD–II Series

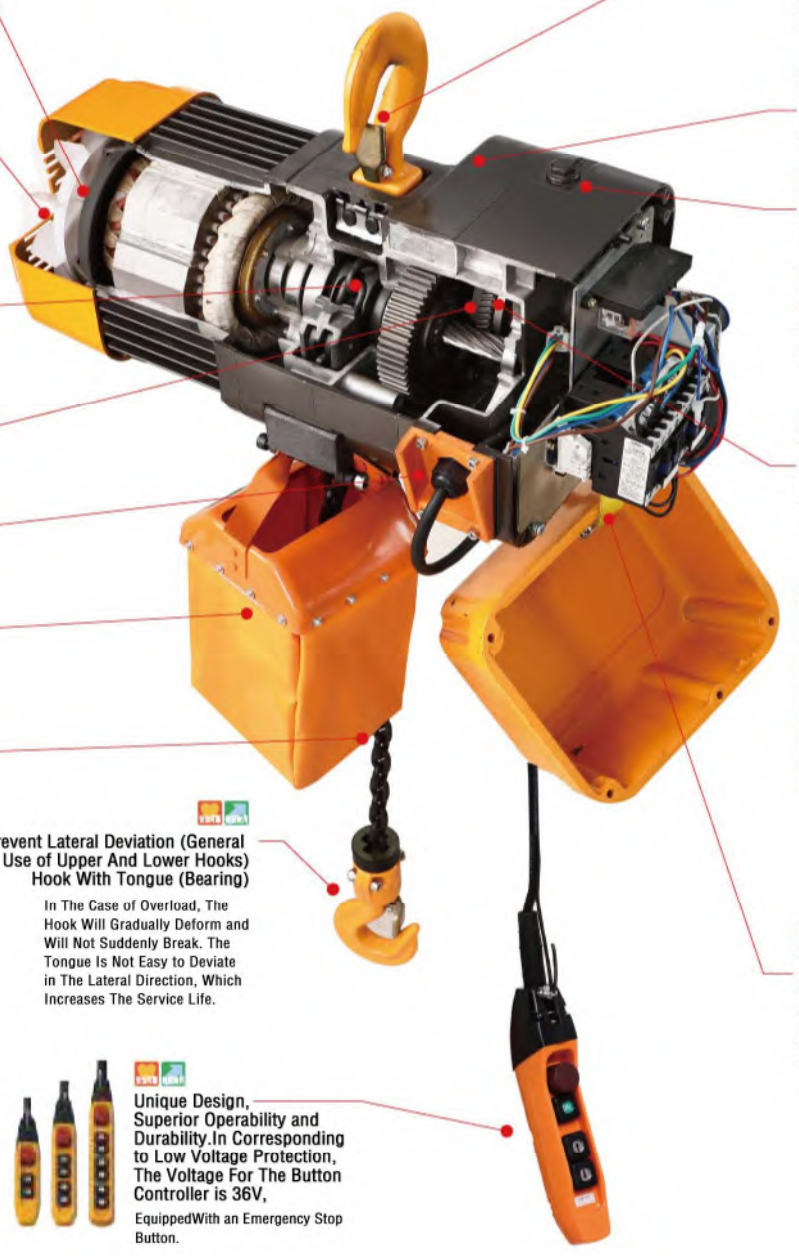
HHBD–II Standard Specification

Power Supply	3 phase 380V/50HZ
Operating Voltage	36V
Rated	Single speed: 60%ED Double speed: 40/20%ED
Motor Insulation	Class F
Level	M5 and M4
Protection level	Hoist: IP55, Controller:IP65

Operation Method	Ground button control operation Monomer · Manual trolley type/3button Electric trolley type/5button · 7button
Power Supply	By cable
Color	YELLOW
Applicable Specifications	GB specifications
Working Temperature	–20 ° C ~ +40 ° C
Working Humidity	Below 80% RH

Safe and Reliable, Durable, Easy to Maintain

■ Structure and Characteristics



Safe and Reliable Braking gear
Reluctance Motor Brake, Scientific Structure, Less Components, Low Failure Rate, Strong Braking Force to Ensure The Safey of Braking Requirements.

Air–Cooled motors can be adapted to the harsh enviorment use
Pressure Casting Aluminum Shell. The Unique Heat Sink of The Air–Cooled Motor Can Reduce Temperature Rise and Adapt to High Frequency Operation.

Unique Guide Chain Structure
Unique Leading Chain Design Structure to Ensure The Smooth Lifting of The Load Chain.

Low Noise Gear Construction
Use Helical Gears To Reduce Operating Noise.

Direct Connection Wire Design
Easy installation and maintenance.

Strong and durable high quality chain bag
Use Specially Processed Canvas Chain Straps.

Use G80 Alloy Steel Load Chain
Based on Years of Manufacturing Experience, Alloy Steel Load Chain Manufactured With Patented Technology Has Excellent Fatigue Resistance, Wear Resistance and Corrosion Resistance.

Prevent Lateral Deviation (General Use of Upper And Lower Hooks) Hook With Tongue (Bearing)
In The Case of Overload, The Hook Will Gradually Deform and Will Not Suddenly Break. The Tongue Is Not Easy to Deviate in The Lateral Direction, Which Increases The Service Life.

Unique Design, Superior Operability and Durability.In Corresponding to Low Voltage Protection, The Voltage For The Button Controller is 36V,
EquippedWith an Emergency Stop Button.

External Connecting Shaft
External Connecting Shaft Makes it Convenient to Disassembly The Upper Hook and The Connecting Shaft

Aluminum Casting Body
Light and Strong

Dust–Proof Body (IP55)

Configure Inlet Contactor
Optional Advanced Durable Contactor (Optional)

Friction Clutch
The Friction Clutch With Built–in Over–Winding Prevention Device

Upper and Lower Limit Switch

Connecting Straps are Installed On The Side
Connecting Straps are Installed On The Side End Cover of The Control Board For Easy Maintainess

HHBD-II Series

Adapt to harsh environments and operating conditions

M5 grade

The service life of the mechanical parts (gears, bearings, etc.) is twice that of the M5 class (except for some products).

Most suitable for heavy loads used in harsh environment and conditions

High-level time rating 60% ED

The air-cooled motor include a heat sink and a fan cover. Gearbox adopts oil groove lubrication method Adapt to high-frequency use requirements.

The high performance and high function of the product is ensured by the solid one-time forming body!

Cast aluminum once forming body

The rigid body housing can be adapted to severe operating conditions and conditions.
The primary forming body has simple structure and few parts.
Dustproof jetting type body (protection grade IP55).

It can prevent accidents in the event of abnormal loads such as overloads. Equipped with friction clutches to ensure safety.

Standard upper and lower limit switch

Improve the efficiency of inspection

Easier maintenance

The fixed shaft of the upper hook is changed to the outside of the fuselage for easy loading and unloading.
The electrical components are centrally arranged on the control panel for easy spot inspection and maintenance.
The end cover of the control panel is connected with the body by connecting belt, which is convenient to use.

Cut off the motor circuit immediately in an emergency

Emergency stop button with voltage loss protection function

Press the emergency stop button to immediately cut off the motor circuit.
The button controller adopts ergonomic design, which is convenient and comfortable to operate.
The operating voltage is only 36V for safety reason.

Optimized design of heat sink and fan cover. Motor with cooling fan.

Optimized design makes the cooling fan run quieter and at the same time increases the cooling capacity of the fan.

Models

The models of electric chain hoist, electric trolley and manual trolley are listed as follows.

H	H	B	D	-	II	0	1	-	0	1	I	S

Type

HOOK	With Trolley

Load Capacity

Code	Load Capacity (t)
005	0.5
01	1
02	2
03	3
05	5
10	10
15	15
20	20
25	25
30	30

Chain Falls

Code	Chain Falls
01	1
02	2
03	3
04	4
06	6
08	8
10	10
12	12

Model

Code	Model
I	Single Speed With Hook
IS	Double Speed With Hook
Y	Single Speed With Trolley
YS	Double Speed With Trolley
L	Low Head Room Type Single Speed
LS	Low Head Room Type Double Speed
XX	Double Hook
D	Upside Down Type

HHBD-II Series

125Kg-500Kg

M5 Working Class:

Adapt to harsh environment and working conditions.

Shell:

Light but strong shell with good heat dissipation rate,fully sealed design is suitable for use in severe environments.

Reverse phase protection device:

A special electrical device to protect the control circuit when the power supply connection faulty.

Limit switch:

The limit switch device is installed when the heavy object is hoisted up and down, which makes the motor stop automatically to prevent the chain from exceeding designed positon to ensure safety.

24V/36V device:

To prevent accidents incase of electric exposure.

Braking device:

To initiate instant braking incase of power outage.

Chain bag:

Lightweight, Aesthetics and Durable.

Chain:

FEC80 super heat-treated alloy steel chain.

HHBD-II Series

Easy Maintenance

suitable for a variety of connection methods

Standard equipment, which can be widely used in various applications, mainly light-duty rails. The hanging eyes are easy to disassemble and improve the efficiency of maintenance and inspection.

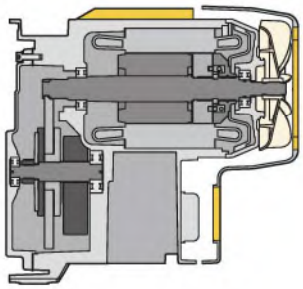
CH counter (counter/timer)

The LCD screen can display the number of starts and operating time, and maintenance can be carried out according to the frequency of use of the equipment.

Durable

High grade motor rating

The product is most suitable for long distance lifting, long-time and high-frequency operations. The gearbox is lubricated by means of an oil sump. This can reduce the wear of the gear and also has a cooling effect.



Unique motor frame heat sink and fan cover

A heat sink is installed on the motor frame, and the whole body is cooled by a built-in cooling fan. This design not only maintains the cooling performance, but also to reduce the motor noise level.

HHBD-II Series

Safe and reliable

Electronic overload protection、friction clutch、upper and lower limit switches、(triple safety measure)

For lifting equipment, safety and reliability are the most important measurement
To ensure safety, the HHBD-II electric chain hoist is equipped with three safety functions: electronic overload protection, friction clutch, and upper and lower limit switches.
The electronic overload protection immediately stops supplying power to the motor when the inverter detects an overload, and stops the cargo lifting operation.

Friction clutch overload prevention device
When the loading weight exceeds the rated load, the motor is idling to prevent overload and overload damage to the hoist body and load chain. This performance is not affected by environmental humidity.

When over-lifting or over-lowering, the limit switch will stop the motor. The limit switch can prevent damage to the hoist body and load chain. (Do not rely on this function)

The brake that attracts the rotor-type motor

The brake that attracts the rotor-type motor is a high-temperature-resistant drum brake.
Once the power is disconnected, the brake will act immediately, with excellent safety.

Motor overheating protector

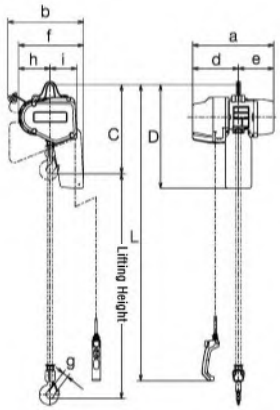
If the inverter detects overheating will automatically cuts off the current.

HHBD-IIK

Suitable for KBK light crane system

HHBD-II Series

Hook type
(125kg-500kg)



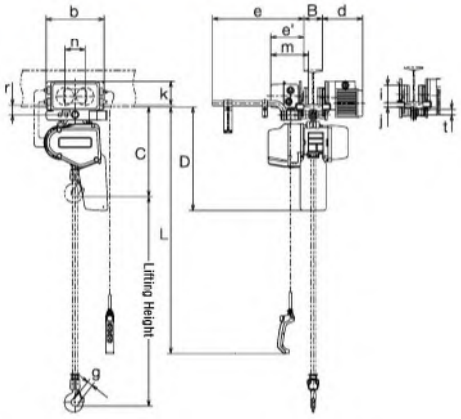
Technical Parameters

Rated Capacity	Model	Body Base	Standard lifting height (m)	Operating cable: L (m)	Lifting motor 3-phase		Lifting Speed (m/min) * (Double Speed)		Load Chain	Level ISO/FEM	Test load	Net Weight (kg)	Weight added for extra 1m of chain (kg)
					Power Output (kw)	Repeatedly rated (%ED)	50HZ		Diameter*Falls (mm)				
							High Speed	Low Speed					
125kg	HHBD-II00125-01 IS	C	4	3.5	0.75	40/20	30	10	5.6x1	M5/4m	156kg	33	0.71
250kg	HHBD-II0025-01 IS	C	4	3.5	0.75	40/21	15	5	5.6x1	M5/4m	313kg	33	0.71
500kg	HHBD-II005-01 IS	C	4	3.5	0.75	40/22	7.8	2.6	5.6x1	M5/4m	625kg	33	0.71

Size Specification

Rated Capacity	Model	Minimum hook room distance: C	D	a	b	d	e	f	g	h	i
125kg	HHBD-II00125-01 IS	410	485	417	367	230	187	298	27	137	128
250kg	HHBD-II0025-01 IS	410	485	417	367	230	187	298	27	137	128
500kg	HHBD-II005-01 IS	410	485	417	367	230	187	298	27	137	128

Trolley type
(125kg-500kg)



Technical Parameters

Rated Capacity	Model	HHBD-II										With electric trolley					Test load	Net Weight (kg)	Weight added for extra 1m of chain (kg)
		Body Base	Standard lifting height (m)	Operating cable: L (m)	Lifting motor 3-phase		Lifting Speed (m/min)*		Load Chain	Level ISO/FEM	Horizontal motor 3-phase		Drive Speed (m/min)		Applicable I-beam width: B (mm)		Minimum rotation radius (mm)			
					Power Output (kw)	Repeatedly rated (%ED)	50/60HZ		Diameter*Falls (mm)		Power Output (kw)	Repeatedly rated (%ED)	50/60HZ		standard	Optional				
							High Speed	Low Speed					High Speed	Low Speed		W30 (305mm)				
125kg	HHBD-II00125-01YS	C	4	3.5	0.75	40/20	30	10	5.6x1	M5/3m	0.4	27/13	24	4	58-153	154-305	800	156kg	64	0.71
250kg	HHBD-II0025-01YS	C	4	3.5	0.75	40/20	15	5	5.6x1	M5/3m	0.4	27/13	24	4	58-153	154-305	800	313kg	64	0.71
500kg	HHBD-II005-01YS	C	4	3.5	0.75	40/20	7.8	2.6	5.6*1	M5/3m	0.4	27/13	24	4	58-153	154-305	800	625kg	67	0.71

Size Specification

Rated Capacity	Model	Minimum hook room distance: C	D	b	d	e	e'	g	i	j	k	m	n	r	t
125kg	HHBD-II00125-01YS	420	515	315	220	515	179	27	95	27	130	205	109	51	31
250kg	HHBD-II0025-01YS	420	515	315	220	515	179	27	95	27	130	205	109	51	31
500kg	HHBD-II005-01YS	440	515	315	220	515	179	27	95	27	130	205	109	51	31

HHBD-II Series

1t-5t

M5 Working Class:

Adapt to harsh environment and working conditions.

Shell:

Light but strong shell with good heat dissipation rate,fully sealed design is suitable for use in severe environments.

Reverse phase protection device:

A special electrical device to protect the control circuit when the power supply connection faulty.

Limit switch:

The limit switch device is installed when the heavy object is hoisted up and down, which makes the motor stop automatically to prevent the chain from exceeding designed positon to ensure safety.

24V/36V device:

To prevent accidents incase of electric exposure.

Braking device:

To initiate instant braking incase of power outage.

Chain bag:

Lightweight, Aesthetics and Durable.

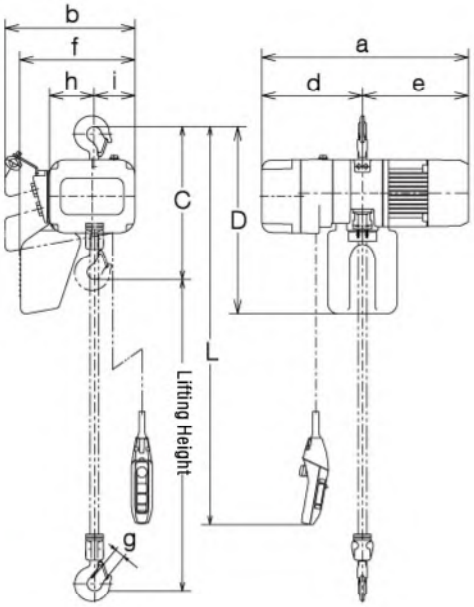
Chain:

FEC80 super heat-treated alloy steel chain.

HHBD-II Series

Single Speed Type

Hook type
(1T-5T)



Technical Parameters

Type	Capacity (Ton)	Lifting Height (m)	Lifting Speed (m/min)	Lifting motor					Operating motor						Net Weight (kg)	Weight added for extra 1m of chain (kg)
				Power (Kw)	Rotation Speed (r/min)	Phases	Voltage (V)	Frequency (HZ/S)	Power (Kw)	Rotation Speed (r/min)	Operating speed (m/min)	Phases	Voltage (V)	Frequency (HZ/S)		
HHBD-II01-01 I	1	4	7.1	1.5	1440	3	380	50	/	/	/	/	/	/	47	1.3
HHBD-II02-01 I	2	4	7.0	3.0	1440	3	380	50	/	/	/	/	/	/	72	2.3
HHBD-II02-02 I	2	4	3.5	1.5	1440	3	380	50	/	/	/	/	/	/	54	2.6
HHBD-II03-01 I	3	4	7.0	3.6	1440	3	380	50	/	/	/	/	/	/	104	2.8
HHBD-II03-02 I	3	4	3.5	3.0	1440	3	380	50	/	/	/	/	/	/	107	4.7
HHBD-II05-02 I	5	4	3.5	3.6	1440	3	380	50	/	/	/	/	/	/	132	5.6

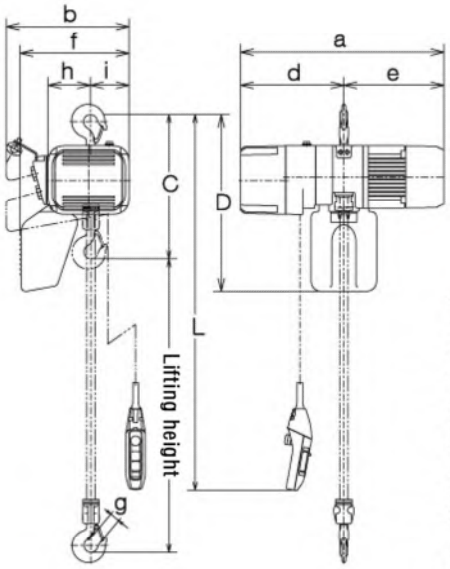
Size Specification

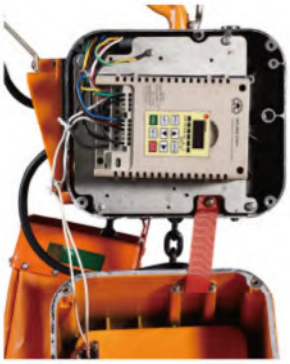
Type	Capacity (Ton)	Unit (mm)										
		C	D	a	b	d	e	f	g	h	i	Chain
HHBD-II01-01 I	1	430	550	600	376	291	300	335	Φ31	129	118	Φ7.1
HHBD-II02-01 I	2	540	630	710	430	308	365	400	Φ34	160	129	Φ10.0
HHBD-II02-02 I	2	570	630	600	376	308	300	335	Φ34	129	90	Φ7.1
HHBD-II03-01 I	3	615	630	710	430	265	365	400	Φ59	160	137	Φ11.2
HHBD-II03-02 I	3	690	630	710	430	320	365	400	Φ59	160	142	Φ10.0
HHBD-II05-02 I	5	850	800	710	430	205	365	400	Φ59	160	82	Φ11.2

HHBD-II Series

Double speed frequency conversion control type

Hook Type:1T-5T





The advantages of the chain hoist equipped with inverter:

The motor realizes a soft start, which reduces the impact on the grid current at the moment of startup. Also it helps to reduce the heat generate by the motor, which increases the service life and working level of the motor. After the inverter is installed, the smooth start reduces the damage The impact of equipment, especially the installation and debugging of high-precision equipment such as molds which is stable and safe.

Technical Parameters

Type	Capacity (Ton)	Lifting Height (m)	Lifting Speed (m/min)	Lifting motor					Operating motor						Net Weight (kg)	Weight added for extra 1m of chain (kg)
				Power (Kw)	Rotation Speed (r/min)	Phases	Voltage (V)	Frequency (HZ/S)	Power (Kw)	Rotation Speed (r/min)	Operating speed (m/min)	Phases	Voltage (V)	Frequency (HZ/S)		
HHBD-II01-01 IS	1	4	7.1/2.4	1.5	1440	3	380	50	/	/	/	/	/	/	47	1.3
HHBD-II02-01 IS	2	4	7.0/2.3	3	1440	3	380	50	/	/	/	/	/	/	72	2.3
HHBD-II02-02 IS	2	4	3.5/1.2	1.5	1440	3	380	50	/	/	/	/	/	/	54	2.6
HHBD-II03-01 IS	3	4	7.0/2.3	3.6	1440	3	380	50	/	/	/	/	/	/	104	2.8
HHBD-II03-02 IS	3	4	3.5/1.2	3.0	1440	3	380	50	/	/	/	/	/	/	107	4.7
HHBD-II05-02 IS	5	4	3.5/1.2	3.6	1440	3	380	50	/	/	/	/	/	/	132	5.6

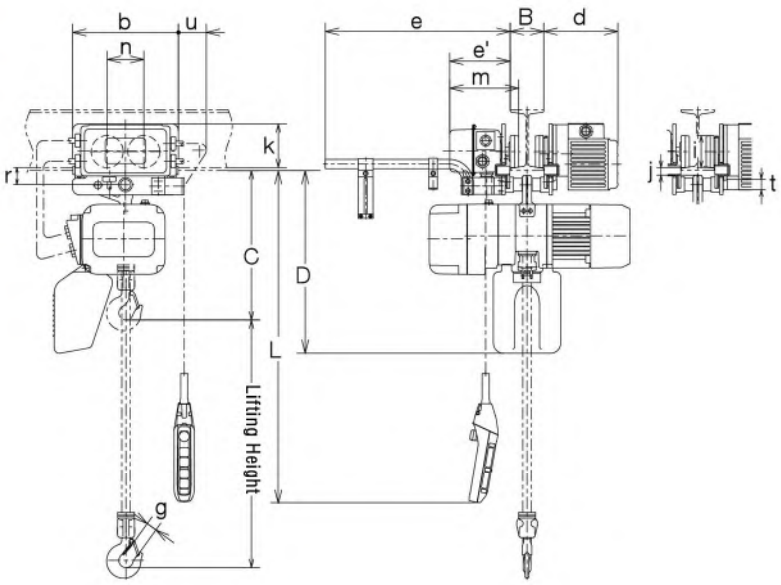
Size Specification

Type	Capacity (Ton)	Unit (mm)										
		C	D	a	b	d	e	f	g	h	i	Chain
HHBD-II01-01 IS	1	430	550	650	376	340	300	335	Φ31	129	118	Φ7.1
HHBD-II02-01 IS	2	540	630	780	427	420	365	400	Φ34	160	124	Φ10.0
HHBD-II02-02 IS	2	570	630	650	427	340	300	335	Φ34	129	90	Φ7.1
HHBD-II03-01 IS	3	615	630	780	430	420	365	400	Φ59	160	137	Φ11.2
HHBD-II03-02 IS	3	690	630	780	430	420	365	400	Φ59	160	142	Φ10.0
HHBD-II05-02 IS	5	850	800	780	445	420	365	400	Φ59	160	82	Φ11.2

HHBD-II Series

Single Speed Type

Hook type (1T-5T)



Technical Parameters

Type	Capacity (Ton)	Lifting Height (m)	Lifting Speed (m/min)	Lifting motor					Operating motor						Net Weight (kg)	
				Power (Kw)	Rotation Speed (r/min)	Phases	Voltage (V)	Frequency (HZ/S)	Power (Kw)	Rotation Speed (r/min)	Operating speed (m/min)	Phases	Voltage (V)	Frequency (HZ/S)	Hoist	electric trolley
HHBD-II01-01 Y	1	4	7.1	1.5	1440	3	380	50	0.4	1440	11/21	3	380	50	47	38
HHBD-II02-01 Y	2	4	7	3	1440	3	380	50	0.4	1440	11/21	3	380	50	91	44
HHBD-II02-02 Y	2	4	3.5	1.5	1440	3	380	50	0.4	1440	11/21	3	380	50	54	44
HHBD-II03-01 Y	3	4	7.0	3.6	1440	3	380	50	0.75	1440	11/21	3	380	50	104	55
HHBD-II03-02 Y	3	4	3.5	3.0	1440	3	380	50	0.75	1440	11/21	3	380	50	108	55
HHBD-II05-02 Y	5	4	3.5	3.6	1440	3	380	50	0.75	1440	11/21	3	380	50	132	77

Size Specification

Type	Capacity (Ton)	Unit (mm)									
		C	D	b	d	e	e	g	k	Turning radius	Applicable I-beam width
HHBD-II01-01 Y	1	450	550	315	220	515	179	31	Φ7.1	1000	80-300
HHBD-II02-01 Y	2	535	630	325	225	520	184	39	Φ10.0	1200	80-300
HHBD-II02-02 Y	2	565	630	325	225	520	184	39	Φ7.1	1200	80-300
HHBD-II03-01 Y	3	590	630	340	226	520	186	44	Φ11.2	1300	100-300
HHBD-II03-02 Y	3	740	630	340	226	520	186	44	Φ10.2	1300	100-300
HHBD-II05-02 Y	5	850	800	400	281	528	192	47	Φ11.2	1800	100-300

HHBD-II Series

Single Speed (Trolley type)

7.5t

Shell: light but strong shell with good heat dissipation rate,fully sealed design is suitable for use in severe environments.

Reverse phase protection device: A special electrical device to protect the control circuit when the power supply connection faulty.

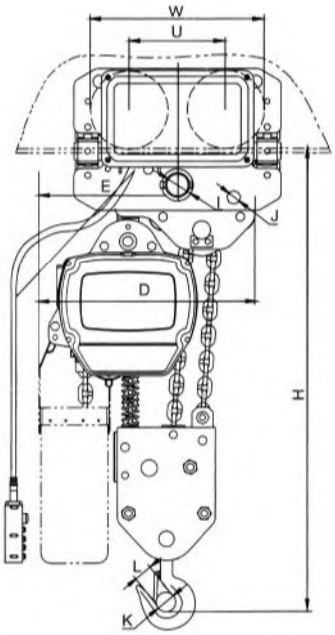
Limit switch: The limit switch device is installed when the heavy object is hoisted up and down, which makes the motor stop automatically to prevent the chain from exceeding designed positon to ensure safety.

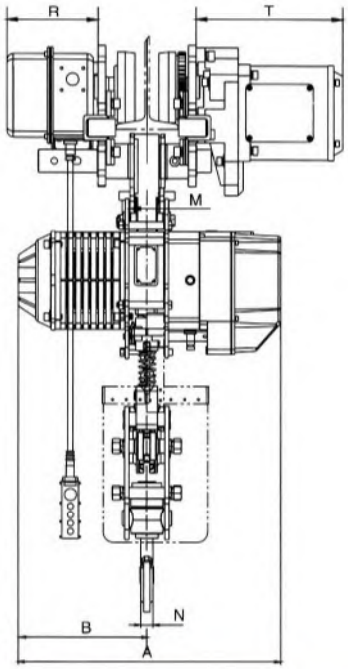
24V/36V device: To prevent accidents incase of electric exposure.

Reluctance motor brake: Can brake instantly when the power is cut off.

Chain bag: Lightweight, Aesthetics and Durable.

Chain: FEC80 super heat-treated alloy steel chain.





Technical Parameters

Type	Capacity (Ton)	Lifting Height (m)	Lifting Speed (m/min)	Lifting motor					Operating motor						I-Beam (mm)
				Power (Kw)	Rotation Speed (r/min)	Phases	Voltage (V)	Frequency (HZ/S)	Power (Kw)	Rotation Speed (r/min)	Operating speed (m/min)	Phases	Voltage (V)	Frequency (HZ/S)	
HHBD-II075-03 Y	7.5	4	2.3	3.6	1440	3	380	50	0.75	1440	11/21	3	380	50	100-178

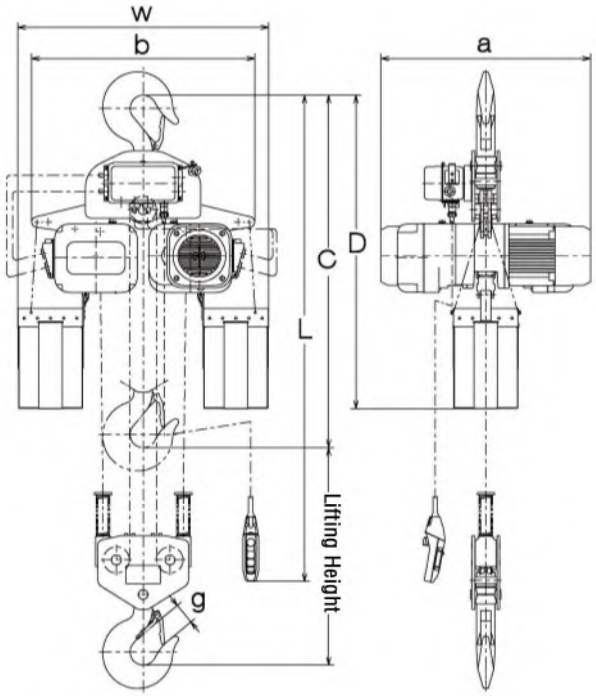
Size Specification

Type	Capacity (Ton)	Unit (mm)															
		H	A	D	E	I	J	K	L	M	N	W	U	R	T	Chain	Minimum rotation radius(mm)
HHBD-II075-03 Y	7.5	1165	680	505	320	Φ54	Φ31	Φ85	80	85	55	295	156	142	231	Φ11.2	3000

HHBD-II Series

Single Speed (Hook type)

10t



Technical Parameters

Type	Capacity (Ton)	Lifting Height (m)	Lifting Speed (m/min)	Lifting motor					Operating motor					
				Power (Kw)	Rotation Speed (r/min)	Phases	Voltage (V)	Frequency (HZ/S)	Power (Kw)	Rotation Speed (r/min)	Operating speed (m/min)	Phases	Voltage (V)	Frequency (HZ/S)
HHBD-II10-04 I	10	4	3.5	3.6*2	1440	3	380	50	/	/	/	/	/	/
HHBD-II15-06 I	15/16	4	2.3	3.6*2	1440	3	380	50	/	/	/	/	/	/
HHBD-II20-08 I	20	4	1.75	3.6*2	1440	3	380	50	/	/	/	/	/	/
HHBD-II25-10 I	25	4	1.4	3.6*2	1440	3	380	50	/	/	/	/	/	/
HHBD-II30-12 I	30	4	1.17	3.6*2	1440	3	380	50	/	/	/	/	/	/

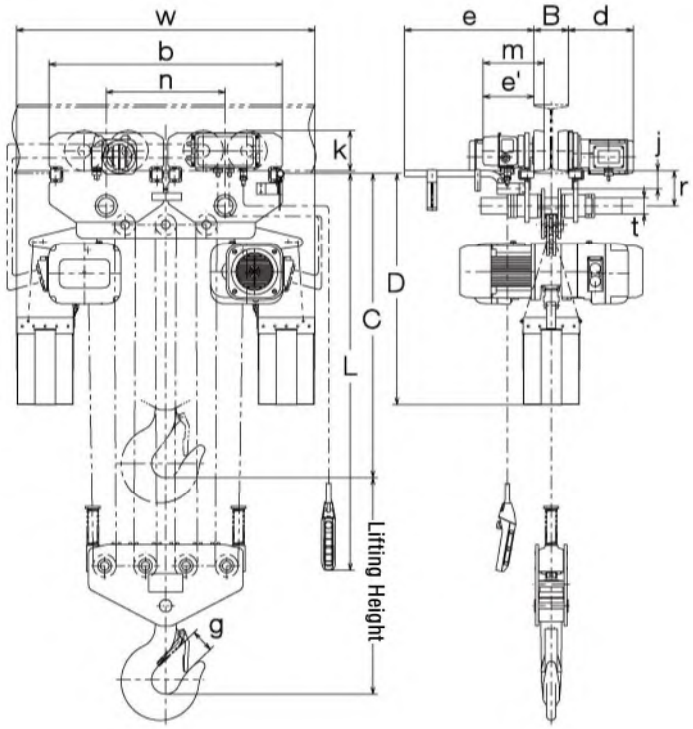
Size Specification

Type	Capacity (Ton)	Unit (mm)							Net Weight (kg)	Weight added for extra 1m of chain (kg)
		C	D	a	b	w	g	Chain		
HHBD-II10-04 I	10	1370	1210	798	849	956	80	Φ11.2	303	10.4
HHBD-II15-06 I	15/16	1595	1520	798	1022	1129	86	Φ11.2	404	16.0
HHBD-II20-08 I	20	1710	1600	798	1198	1305	102	Φ11.2	476	21.2
HHBD-II25-10 I	25	1900	1900	798	1380	1500	150	Φ11.2	580	26.5
HHBD-II30-12 I	30	2200	2200	798	1600	1650	195	Φ11.2	680	31.8

HHBD-II Series

Single Speed (Trolley type)

10t



Technical Parameters

Type	Capacity (Ton)	Lifting Height (m)	Lifting Speed (m/min)	Lifting motor					Operating motor						
				Power (Kw)	Rotation Speed (r/min)	Phases	Voltage (V)	Frequency (HZ/S)	Power (Kw)	Rotation Speed (r/min)	Operating speed (m/min)	Phases	Voltage (V)	Frequency (HZ/S)	I-Beam (mm)
HHBD-II10-04 Y	10	4	3.5	3.6x2	1440	3	380	50	0.75	1440	11/21	3	380	50	150-300
HHBD-II15-06 Y	15/16	4	2.3	3.6x2	1440	3	380	50	0.75x2	1440	11/21	3	380	50	150-300
HHBD-II20-08 Y	20	4	1.75	3.6x2	1440	3	380	50	0.75x2	1440	11/21	3	380	50	150-300
HHBD-II25-10 Y	25	4	1.4	3.6x2	1440	3	380	50	0.75x2	1440	11/21	3	380	50	150-300
HHBD-II30-12 Y	30	4	1.17	3.6x2	1440	3	380	50	0.75x2	1440	11/21	3	380	50	150-300

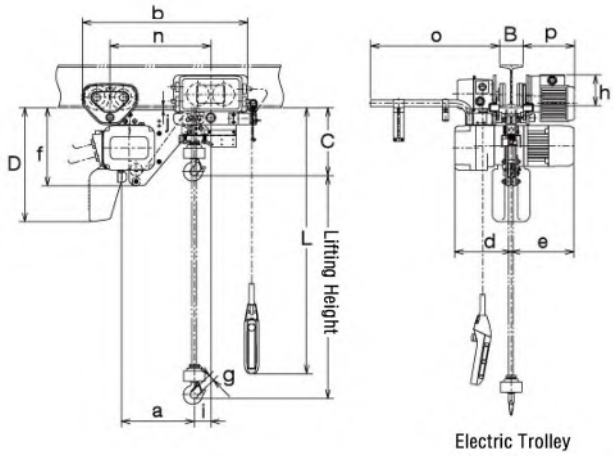
Size Specification

Type	Capacity (Ton)	Unit (mm)							Net Weight (kg)		Weight added for extra 1m of chain (kg)
		C	D	b	e	g	j	Chain	Hoist	Trolley	
HHBD-II10-04 Y	10	1180	1210	500	531	80	77	Φ11.2	303	100	10.4
HHBD-II15-06 Y	15/16	1310	1230	1020	531	86	82	Φ11.2	404	77*2	16.0
HHBD-II20-08 Y	20	1345	1230	1020	531	102	77	Φ11.2	476	77*2	21.2
HHBD-II25-10 Y	25	1450	1300	1300	531	150	/	Φ11.2	580	200	26.5
HHBD-II30-12 Y	30	1600	1400	1400	531	195	/	Φ11.2	680	/	31.8

HHBD-II Series

Low head room type

(1t-5t)



Product Features

It has a unique and optimal structure for shortening the distance between the machine body and the beam track, which is suitable for use in lower buildings, especially for temporary workshops or places where the effective lifting space needs to be expanded.

Technical Parameters

Type	Capacity (Ton)	Lifting Height (m)	Lifting Speed (m/min)	Lifting motor					Operating motor					
				Power (Kw)	Rotation Speed (r/min)	Phases	Voltage (V)	Frequency (HZ/S)	Power (Kw)	Rotation Speed (r/min)	Operating speed (m/min)	Phases	Voltage (V)	Frequency (HZ/S)
HHBD-II01-01 L	1	4	7.1	1.5	1440	3	380	50	0.4	1440	11/21	3	380	50
HHBD-II02-01 L	2	4	7.0	3.0	1440	3	380	50	0.4	1440	11/21	3	380	50
HHBD-II02-02 L	2	4	3.6	1.5	1440	3	380	50	0.4	1440	11/21	3	380	50
HHBD-II03-01 L	3	4	7.0	3.6	1440	3	380	50	0.75	1440	11/21	3	380	50
HHBD-II03-02 L	3	4	3.5	3.0	1440	3	380	50	0.75	1440	11/21	3	380	50
HHBD-II05-02 L	5	4	3.5	3.6	1440	3	380	50	0.75	1440	11/21	3	380	50

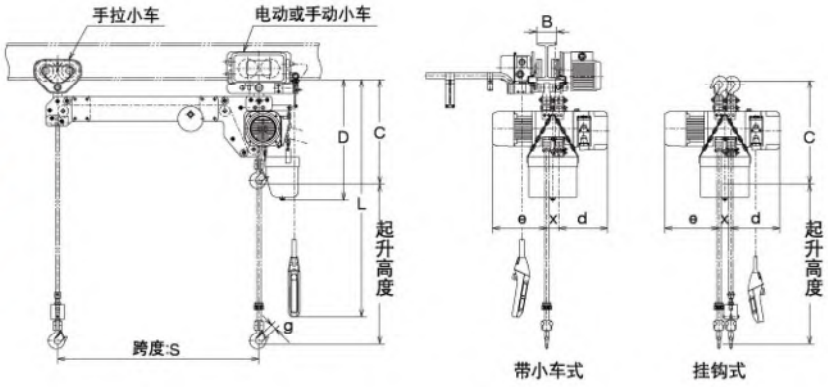
Size Specification

Type	Capacity (Ton)	Unit (mm)								Net Weight (kg)			Unit (mm)
		C	n	b	d	e	D	g	B	Hoist	Electric Trolley	Manual Trolley	Applicable I-beam width
HHBD-II01-01 L	1	300	445	315	220	515	550	31	Φ7.1	55	38	11	58-300
HHBD-II02-01 L	2	440	505	325	225	520	630	39	Φ10.0	110	44	11	82-300
HHBD-II02-02 L	2	400	445	325	225	520	630	39	Φ7.1	60	44	11	82-300
HHBD-II03-01 L	3	485	541	340	226	520	630	44	Φ11.2	120	55	18	82-300
HHBD-II03-02 L	3	565	503	340	226	520	630	44	Φ10.2	125	55	18	82-300
HHBD-II05-02 L	5	670	541	400	281	528	800	47	Φ11.2	150	77	26	110-300

HHBD-II Series

Doubke Hook type electric chain hoist

The double hook electric hoist is equipped with a single motor and double hooks so that the hook can be lifted vertically/smoothly/safely. This product is suitable for lifting flat objects with 2 lifting points or lifting objects that need to be balanced.



Technical Parameters

Rated load (t)	Model	HHBD-II						Trolley				Test Load (t)
		Standard lifting height (m)	Operating cable: L (m)	Lifting motor 3-phase		Lifting speed (m/min)	Load chain diameter (mm) X Falls	Horizontal motor 3-phase		Horizontal speed (m/min)	Applicable I-beam width	
				Power Output (kw)	Repeatedly rated (%ED)	50HZ		Power Output (kw)	Repeatedly rated (%ED)	50HZ		
0.5+0.5	HHBD-II01-02 XX	4	1.5	1.5	40	6.8	7.1x2	0.4	40	10-20	80-300	0.625x2
1+1	HHBD-II02-02 XX	4	1.5	3.0	40	6.6	10.0x2	0.4	40	10-20	80-300	1.25x2
1+1	HHBD-II02-04 XX	4	2.5	1.5	40	3.4	7.1x4	0.4	40	10-20	80-300	1.25x2
1.5+1.5	HHBD-II03-02 XX	4	2.8	3.0	40	5.43	11.2x2	0.75	40	10-20	100-300	1.88x2
1.5+1.5	HHBD-II03-04 XX	4	2.8	3.0	40	3.3	10.0x4	0.75	40	10-20	100-300	1.88x2
2.5+2.5	HHBD-II05-04 XX	4	2.8	3.0	40	2.7	11.2x4	0.75	40	10-20	100-300	3.13x2

Size Specification

Rated load (t)	Model	Minimum distance between hooks:C		D	S	d	e	g	x
		With trolley	With Hook						
0.5+0.5	HHBD-II01-02 XX	665	680	710	300-3000	291	298	31	71
1+1	HHBD-II02-02 XX	770	800	790	300-3000	308	345	39	81
1+1	HHBD-II02-04 XX	815	830	920	300-3000	347	356	39	81
1.5+1.5	HHBD-II03-02 XX	930	960	990	300-3000	337	399	44	81
1.5+1.5	HHBD-II03-04 XX	830	880	790	300-3000	308	345	44	85
2.5+2.5	HHBD-II05-04 XX	1015	1030	920	300-3000	308	356	47	85

Note: The standard maximum span of double hooks is 3 meters.

HHBD-II Series

Upside down type (Stage Hoist)

Upside down type electric chain hoist, able to lift load by secure the hook on the beam or a fixed object. Application scenario such as temporary construction field, stage, theater etc. This special chain hoist can also be used as regular type by simply secure the hoist itself on the beam. Rated capacity 1 Ton with single/double speed option.

Main uses:

- Lifting operations on temporary use sites where it is difficult to install cranes.
- Lifting of steel and other objects.
- Installation and maintenance of machinery and equipment.
- Installation of lighting/audio equipment, etc.

Dust-free electric chain hoist

Dust-free electric hoist is a light and small lifting equipment that designed to be used in a clean room environment which need to prevent the occurrence of dust. It is a relatively common lifting equipment on the market and is widely used in many industrial fields. It is a necessary condition for mass production in industries such as medicine, LCD panels, microelectronics, bioengineering, photovoltaics, semiconductors, and laboratories.

Advantages of dust-free electric hoist

1. Clean and wear-resistant;
2. Low failure rate and maintenance-free
3. Wide speed range;
4. Accurate positioning;
5. Artistic appearance;
6. Stainless steel hook.

HHBD-II Series

Dust-free
(electric chain hoist)

Dust-free workshop of food processing plant

Simultaneous operation Type
(electric chain hoist)

more than 2 electric chain hoists are controlled by one controller

Remote control electric chain hoist

HHBD-II K
Flexible track with wireless remote control

Other special models:

Multiposition operable type

Multiple controller electric chain hoist can be operated separately at more than 2 places

Special power supply
Electric chain hoist

Different countries and regions use different power standards.
In addition to the standard model, the following power supplies are also available.

50HZ	220V/380V 400V 415V
60HZ	400V/440V

Voltages other than the above are also available.

Configure various devices
Electric chain hoist

Various device can be attached based on different purpose of use

Overcurrent protection device (to prevent overcurrent)	
Overheating protection device (to prevent motor burn out)	
Siren	Warning light

Heat resistent Type
Electric chain hoist

To fit for various ambient temperatures, select special motors/electrical components/ lubricating oil / grease, etc.

Long-distance operation type
Electric chain hoist

In case if there is impossible to operate near the load, it is recommended to use a low-cost long-distance operation type.

For parking lot
Electric chain hoist

The product specially developed for the parking lot and the appropriate speed and position control structure ensure the operation safety.

HHBD–II Series

Special product series

Special products that are designed and produced to meet different needs based on different load content and environmental conditions.
we have various special designs such as double crane type, low headroom type, reverse hanging type, dust–free type electric chain hoist, etc., to meet customer needs.

Double Hook type
(1t–5t)

Dust–free type
(1t–3t)

Low head room type
(1t–25t)

Upside down type
(1t–3t)