

Metallurgical Electric Hoist

YUANTAI CRANE

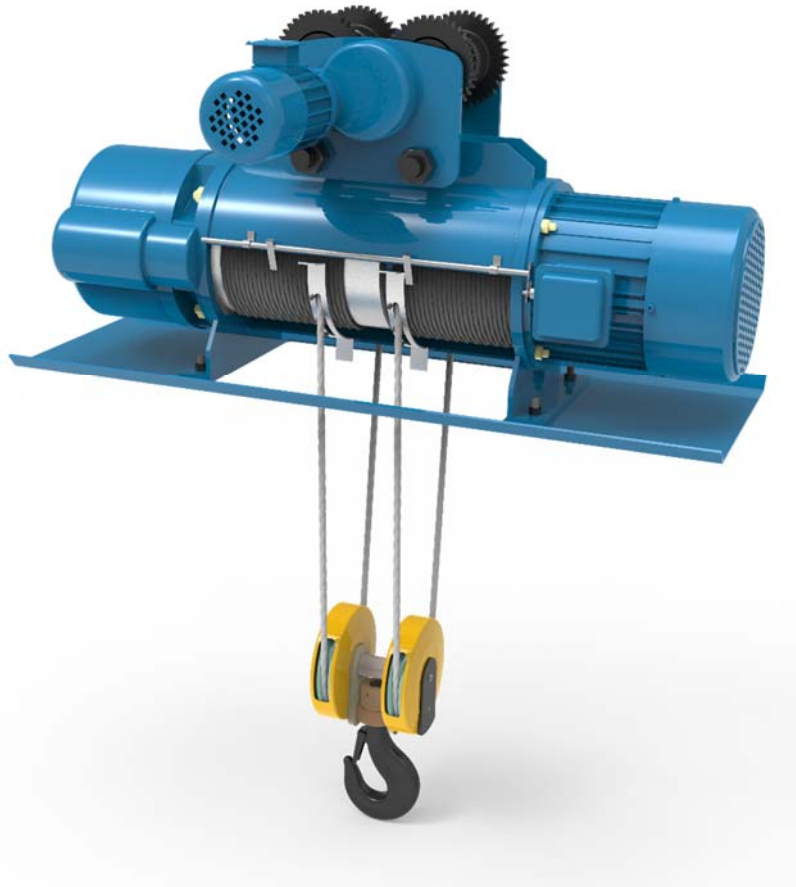
YT-YH CLASSICAL MODEL

ADVANTAGE

Working class upgrade to the M4, which is double the life of the M3;
The motor adopts a conical rotor motor to integrate power and braking force.
The hook is made of high-strength steel and is equipped with a locking device.
With overload, over-current, voltage loss, and break protection functions.
The power supply is widely used, and it is controlled by 36V safe voltage, which is divided into wireless and wired operation.
The brake material does not contain harmful components such as asbestos and is more environmentally friendly.



YT-YH Model Metallurgical Electric Hoist



Overview

YH model metallurgical electric wire rope hoist is designed for metallurgical casting, lifting high temperature molten liquid metal and other heavy objects requiring safety factor or environment. It has the characteristics of compact structure, light weight, safety and reliability, high degree of common parts, strong interchangeability, high lifting capacity and convenient maintenance. The travelling hoist can be installed on electric overhead crane, single beam electric overhead crane, double girder overhead crane, jib crane (cantilever crane), gantry crane, etc., and also can be suspended on the I-beam, the straight line or curve. The fixed hoist can be mounted on the fixed support for vertical lifting.

Application

YH model metallurgical electric hoist is widely used in industrial and mining enterprises, foundry workshops, material yards, etc. It is a new type of electric hoist for lifting high-temperature molten liquid metal, and it is an essential lifting tool for improving labor efficiency., working temperature is from -25°C to $+40^{\circ}\text{C}$, relative humidity $\leq 85\%$, altitude below 1000 m, power supply is three-phase AC 380V, 50HZ (also available Customized according to customer requirements).

It is forbidden to be used in places where there is a risk of explosion filled with sulfuric acid or other corrosive gases and where molten metal, toxic or flammable materials are lifted to ensure safety. When used in dusty or open spaces, protective equipment is required.

YT-YH Model Metallurgical Electric Hoist

Features

- Working class upgrade to the M4, which is double the life of the M3.
- The motor adopts a conical rotor motor to integrate power and braking force.
- The hook is made of high-strength steel and is equipped with a locking device.
- With overload, over-current, voltage loss, and break protection functions.
- The power supply is widely used, and it is controlled by 36V safe voltage, which is divided into wireless and wired operation.
- The brake material does not contain harmful components such as asbestos and is more environmentally friendly.

Working class table

Working Class	M3(1BM)	M4(1AM)	M5(2m)
Electrical connection sustained rate	25%ED	30%ED	40%ED
Hourly starts frequency	< 150	180	240
Design life	< 1600 hours	3200 hours	6300 hours
Frequency of use	< Not often used	Often used in low and medium loads	Often used moderately

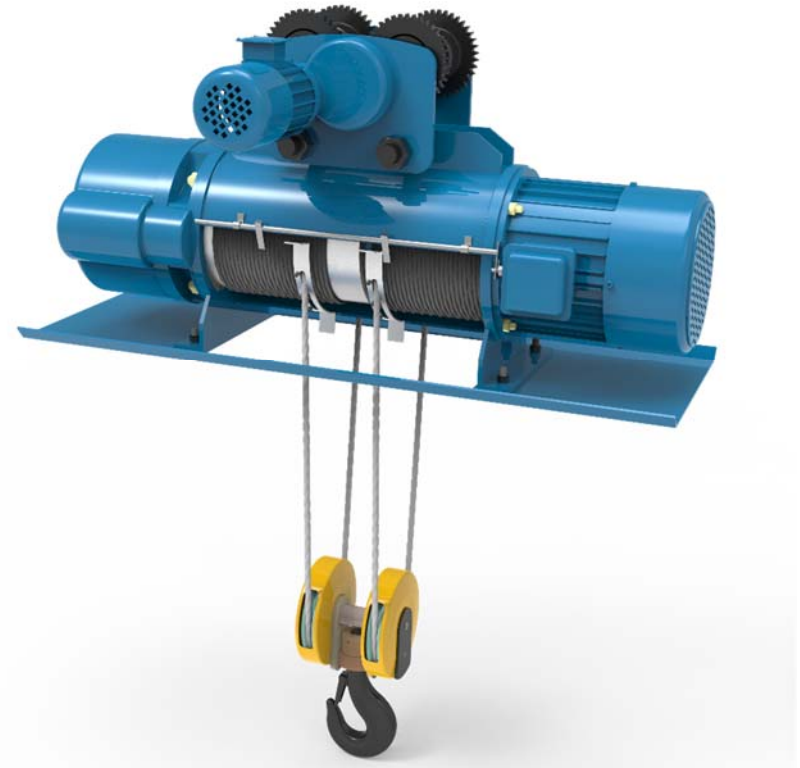
YT-YH Model Metallurgical Electric Hoist

Supply Scope

- Lifting capacity: 0.5-20 ton
- Lifting height: 3m, 6m, 9m 12m, customized
- Power supply: 220-550V 50/60Hz 3Phase
- Color: blue, yellow, customized

Services

- Timely delivery: regular hoist, 6m-12m delivery time 7 days, 18m-40m delivery time 10 days; Customized hoist (including gear, gear shaft parameter changes, special motor outsourcing) delivery time of 20 days.
- Lifelong service: providing after-sales service for life.
- Quality Commitment: One year warranty, not cover the wearing parts.
- Customized hoist: According to the lifting materials and environmental conditions, we can design and produce the customized products for different needs and different fields.



Single speed metallurgical electric wire rope hoist parameter

Model		YH								
Capacity	Tons	0.25	0.5	1	2	3	5	10	16	
Lifting height	M	3,6,9	6,9,12	6,9,12,18,24,30				9,12,18,24,30		
Lifting speed	m/min	8	8	8				7	3.5	
Travel speed	m/min	20	20/30	20/30	20/30	20/30	20/30	20/30	18	
Wire rope		Dia.(mm)	3.6	4.8	7.4	11	13	15	15	17.5
		Spec.	6×39	6×37+FC	6×37+FC				6×37+FC	6×37+FC
Hoisting motor	Type	-	ZD ₁ 12-4	ZD ₁ 21-4	ZD ₁ 22-4	ZD ₁ 31-4	ZD ₁ 32-4	ZD ₁ 41-4	ZD ₁ 51-4	ZD ₁ 51-4
	Power	Kw	0.4	0.8	1.5	3.0	4.5	7.5	13	13
	Rotation speed	r/min	1380	1380	1380	1380	1380	1400	1400	1400
	Current	(A)	1.25	2.2	4.3	7.6	11	18	30	30
Travel motor	Type	-	ZDY ₁ 10-4	ZDY ₁ 11-4	ZDY ₁ 11-4	ZDY ₁ 12-4	ZDY ₁ 12-4	ZDY ₁ 21-4	ZDY ₁ 21-4	ZDY ₁ 21-4
	Power	Kw	0.06	0.2	0.2	0.4	0.4	0.8	0.8x2	0.8x2
	Rotation speed	r/min	1400	1380	1380	1380	1380	1380	1380	1380
	Current	A	0.3	0.72	0.72	1.25	1.25	2.4	2.4	2.4
Power		-	AC 380V,50HZ,3P							

Double speed metallurgical electric wire rope hoist parameter

Model		YH								
Capacity	Tons	0.25	0.5	1	2	3	5	10	16	
Lifting height	M	3,6,9	6,9,12	6,9,12,18,24,30				9,12,18,24,30		
Lifting speed	m/min	0.8/8	0.8/8	0.8/8				0.7/7	0.35/3.5	
Travel speed	m/min	20	20/30	20/30	20/30	20/30	20/30	20/30	18	
Wire rope		Dia.(mm)	3.6	4.8	7.4	11	13	15	15	17.5
		Spec.	6×39	6×37+FC	6×37+FC				6×37+FC	6×37+FC
Hoisting motor	Type	-	ZD ₁ 12-4	ZDS ₁ 0.2/0.8	ZDS ₁ 0.2/1.5	ZDS ₁ 0.4/3.0	ZDS ₁ 0.4/4.5	ZDS ₁ 0.8/7.5	ZDS ₁ 1.5/13	ZDS ₁ 1.5/13
	Power	Kw	0.4	0.2/0.8	0.2/1.5	0.4/3.0	0.4/4.5	0.8/7.5	1.5/13	1.5/13
	Rotation speed	r/min	1380	1380	1380	1380	1380	1400	1400	1400
	Current	A	1.25	0.72/2.4	0.72/4.3	1.25/7.6	2.4/11	2.4/18	5.2/30	5.2/30
Travel motor	Type	-	ZDY ₁ 10-4	ZDY ₁ 11-4	ZDY ₁ 11-4	ZDY ₁ 12-4	ZDY ₁ 12-4	ZDY ₁ 21-4	ZDY ₁ 21-4	ZDY ₁ 21-4
	Power	Kw	0.06	0.2	0.2	0.4	0.4	0.8	0.8x2	0.8x2
	Rotation speed	r/min	1400	1380	1380	1380	1380	1380	1380	1380
	Current	A	0.3	0.72	0.72	1.25	1.25	2.4	2.4	2.4
Power	-	AC 380V,50HZ,3P								



Yuantai Crane Machinery

Crane&Hoist Solution Supplier

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