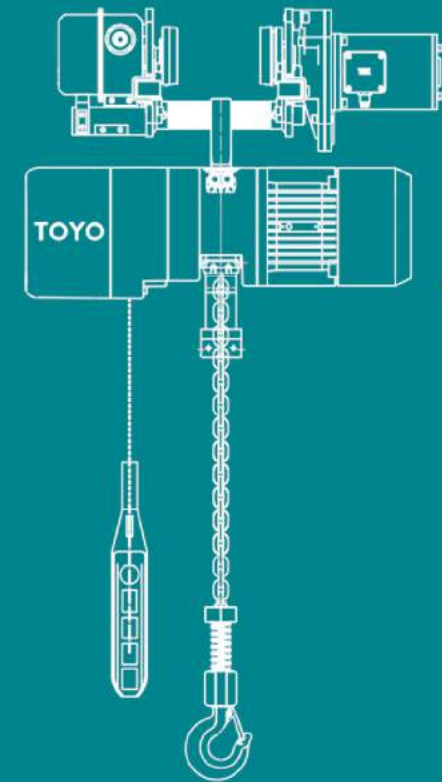


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起重设备产品手册
LIFTING EQUIPMENT PRODUCT MANUALS



运营中心: 广东掌握重工科技有限公司
Operation Center: Guangdong Master Heavy Industry Technology Co., Ltd
生产中心: 河北坤达起重设备有限公司
Production Center: Hebei Kunda Hoisting Equipment Co., Ltd
全球销售中心: 天津坤达起重设备有限公司
Global Sales Center: Tianjin Kunda Hoisting Equipment Co., Ltd

联系电话: 0317-2603586 0317-2603732
Tel: 0086-022-85100278 Mob: 0086-15522182694
企业官网: www.toyo-hoists.com
Website: www.toyo-hoists.com
企业邮箱: sales@toyo-hoists.com
Mail: sales@toyo-hoists.com
生产中心地址: 河北省任丘市胜利路67号
Production Center Address: 67 Shengli Road, Renqiu City, Hebei Province, China
全球销售中心地址: 天津市北辰区双街可信产业园
Global Sales Center Address: Shuangjie Trusted Industrial Park, Beichen District, Tianjin, China

坤达起重设备有限公司
Kunda Hoisting Equipment Co.,Ltd

CONTENTS 目录

企业简介 Company Profile	01	电动环链葫芦TY2型 (带电动跑车款) Electric Chain Hoist TY2 (with Electric Trolley)	10
企业资质 Qualification Certification	02	钢丝绳电动葫芦CD1、MD1 Electric Wire Rope Hoist TY-II	12
TOYO TY1型带钩电动葫芦 TY1 Electric Chain Hoist With Hook	03	钢丝绳电动葫芦TY-II Electric Wire Rope Hoist TY-II	15
TOYO TY1环链电动葫芦 (手动小车款) TY1 Electric Chain Hoist with Manual Trolley	04	TOYO 单梁钢丝绳葫芦 Single Girder Electric Wire Rope Hoist	16
TOYO TY1环链电动葫芦 (电动跑车款) TY1 Electric Chain Hoist with Electric Trolley	05	TOYO TWH双梁钢丝绳电动葫芦 Double Girders Electric Wire Rope Hoist	17
TOYO TY1低净空电动葫芦 TY1 Low Headroom Type Electric Chain Hoist	06	便携式快速安装门吊 Portable Rapid Gantry	20
电动环链葫芦TY2型 (挂钩式) Electric Chain Hoist TY2 (with Hook Suspension)	08	便携式门吊 Portable Gantry	21
电动环链葫芦TY2型 (手动跑车式) Electric Chain Hoist TY2 (with Manual Trolley)	09		

Company Profile 企业简介

Kunda Hoisting Equipment Co., Ltd was established in 1996, is a high-tech enterprise integrating r&d, manufacturing and sales. It is located in renqiu industrial zone in the hinterland of the Beijing-Tianjin-Hebei economic golden triangle. At present, there are more than 360 employees, including 3 senior engineers and 26 technical talents of all kinds, accounting for 19% with college degree or above. The company covers an area of 60,000 square meters and has a total asset of 600 million yuan. The leading products are Mini electric hoist (PA), Chain Block, Ratchet Lever hoist, Electric Chain Hoist, European Type Wire Rope Hoist, Electric Winches and other series of hardware lifting products. In 2006, obtained the product export license, to the current overseas market exported to Australia, the United States, Canada, Russia, Brazil, Mexico, Iran, India, Romania and other countries and regions.

Focusing on the research and development and innovation of lifting equipment, Kunda has obtained two national patents and a famous trademark in Hebei province. Its products have successively obtained China CCC certification, ISO9001, and its main products have passed international CE, GS, PAHs and TUV certification. We have partners all over the world, BOSCH, CINTAS, Hapag-Lloyd, etc. To provide customers with more safe and efficient, ultra-low noise, value of the lifting equipment, is our eternal pursuit.



坤达起重设备有限公司创建于1996年,是集研发、制造、销售为一体的高新技术型企业,地处京津冀经济金三角腹地任丘工业区。现在职工360余人,其中高级工程师3人,各类技术人才26人,大专以上学历占19%,占地面积6万平方米,总资产6亿元。主导产品为微型电动葫芦、手拉葫芦、手扳葫芦、环链电动葫芦、欧式钢丝绳电动葫芦,电动绞盘等系列五金起重产品,总年产100余万台,成为中国北方最大的起重设备生产企业。2006年,取得产品出口许可证,到目前海外市场远销至澳大利亚、美国、加拿大、俄罗斯、巴西、墨西哥、伊朗、印度、罗马尼亚等多个国家和地区。

坤达专注于起重设备的研发与创新,获得两项国家专利,河北省著名商标,产品先后取得中国CCC认证、ISO9001、主要产品已通过国际CE、GS、PAHs、TUV认证。我们的合作伙伴遍布世界各地, BOSCH, CINTAS, Hapag-Lloyd等。为客户提供更安全高效、超低噪音、超值的起重设备,是我们永远的追求。

TOYO®

TY1 Electric Chain Hoist With Hook

TOYO TY1型带钩电动葫芦



● Features产品特点

- ① 高精度合金齿轮，强度高，噪音低。**
High precision alloy gear, high strength, low noise.
- ② 经热处理的合金吊钩，即使承受事故过载，也不会断裂变形**
The alloy hook after heat treatment will not break and deform even if it bears accident overload.
- ③ 防护等级达到IP55，防护效果好，适应各种环境。**
The protection level reaches IP55, which has good protection effect and can adapt to various environments.
- ④ 设有上下机械限位开关，使电动机在停电时自动停止**
It is equipped with upper and lower mechanical limit switch to stop the motor automatically when the power is cut off.
- ⑤ 施耐德电气元件，日本原厂Fec链条**
Schneider electric components, Fec chain from Japan

Qualification Certification 企业资质

TOYO Internet in April 2017 + new retail conference and new product launch, chain VA type C, micro letter, lever hoist, electric hoist PA type, chain electric hoist (TY1, TY2) is listed on the first batch of products. TOYO products have GS certification and CE certification, and their quality is recognized internationally. In addition, TOYO products also have CNAS certification, CMA metrological certification, CAL quality certification. It has special equipment manufacturing license and special equipment type test certificate issued by national lifting and transportation machinery quality supervision and inspection center.

2017年4月TOYO互联网+新零售发布会暨新产品发布会举行，手拉葫芦KII型、手扳葫芦C型、微型电动葫芦PA型、环链电动葫芦(TY1型、TY2型)首批产品正式上市。TOYO产品拥有GS认证证书和CE认证证书，产品质量受到国际认可。此外，TOYO产品还拥有CNAS认证标识，通过CMA计量认证，CAL质量认证。拥有国家起重运输机械质量监督检验中心颁发的特种设备制造许可证和特种设备型式试验合格证。



● Technical Parameters性能参数表

TY1-Single Speed TY1单速型 (挂钩式)

Model型号	TY1-Single Speed TY1单速								
	0.5-01S	01-01S	1.5-01S	02-01S	02-02S	03-01S	03-02S	03-03S	05-02S
Capacity(吨)载重	0.5t	1t	1.5t	2t		3t		5t	
Lifting speed (m/min)提升速度	7.2	6.6	8.8	6.6	3.3	5.4	4.4	2.2	2.7
Motor power (KW)电机功率	0.8	1.5	3	3	1.5	3	3	1.5	3
Rotation speed (r/min)转速	1440 r/min								
Insulation grade绝缘等级	F grade								
Power supply电源	3 phase, 200V-690V, 50/60Hz								
Control voltage控制电压	24V / 36V / 48V								
No. of chain链条数	1	1	1	1	2	1	2	3	2
Spec. of load chain负载链规格	Φ6.3	Φ7.1	Φ10.0	Φ10.0	Φ7.1	Φ11.2	10	Φ7.1	Φ11.2
Net weight (kg)净重	47	61	108	115	73	122	131	85	151

TY1-Dual Speed TY1双速型 (挂钩式)

Model型号	TY1-Dual Speed TY1双速								
	0.5-01D	01-01D	1.5-01D	02-01D	02-02D	03-01D	03-02D	03-03D	05-02D
Capacity(吨)载重	0.5t	1t	1.5t	2t		3t		5t	
Lifting speed (m/min)提升速度	7.2/2.4	6.9/2.3	9.0/3.0	6.9/2.3	3.3/1.1	5.4/1.8	4.5/1.5	2.4/0.8	2.7/0.9
Motor power (KW)电机功率	0.8/0.27	1.8/0.6	3.0/1.0	3.0/1.0	1.8/0.6	3.0/1.0	3.0/1.0	1.8/0.6	3.0/1.0
Rotation speed (r/min)转速	2880 / 960								
Insulation grade绝缘等级	F grade								
Power supply电源	3 phase, 200V-690V, 50/60Hz								
Control voltage控制电压	24V / 36V / 48V								
No. of chain链条数	1	1	1	1	2	1	2	3	2
Spec. of load chain负载链规格	Φ6.3	Φ7.1	Φ10.0	Φ10.0	Φ7.1	Φ11.2	Φ10.0	Φ7.1	Φ11.2
Net weight (kg)净重	54	74	144	150	86	159	168	102	184

TY1 Electric Chain Hoist with Manual Trolley

TOYO TY1环链电动葫芦 (手动小车款)



● Features产品特点

- 1 铸铝外壳，坚固耐冲击**
Cast Aluminum Shell, Strong and Shock Resistant.
- 2 机械部分（齿轮轴承等）符合国际标准M5级设计**
Mechanical parts (gear bearings, etc.) conform to international standard M5 design
- 3 防护等级达到IP55，防护效果好，适应各种环境。**
The protection level reaches IP55, which has good protection effect and can adapt to various environments.
- 4 吊钩挂环的专业技术测量，具有防止横向损失的舌片不易折断，承载力强。**
Professional and technical measurement of hook and hanger ring, with tongue piece to prevent transverse loss. Not easy to break, strong bearing capacity.
- 5 施耐德电气元件，日本原厂Fec链条**
Schneider electric components, Japan Original Fec chain

● Technical Parameters性能参数表

TY1-Single Speed TY1单速型 (手动小车)

Model型号	TY1-Single Speed TY1单速									
	0.5-01S	01-01S	1.5-01S	02-01S	02-02S	03-01S	03-02S	03-03S	05-02S	
Capacity(吨)载重	0.5t	1t	1.5t	2t	2t	3t	3t	3t	5t	
Lifting speed (m/min)提升速度	7.2	6.6	8.8	6.6	3.3	5.4	4.4	2.2	2.7	
Motor power (KW)电机功率	0.8	1.5	3	3	1.5	3	3	1.5	3	
Rotation speed (r/min)转速	1440 r/min									
Insulation grade绝缘等级	F grade									
Power supply电源	3 phase, 200V-690V, 50/60Hz									
Control voltage控制电压	24V / 36V / 48V									
No. of chain链条数	1	1	1	1	2	1	2	3	2	
Spec. of load chain负载规格	Φ6.3	Φ7.1	Φ10.0	Φ10.0	Φ7.1	Φ11.2	10	Φ7.1	Φ11.2	
Net weight (kg)净重	47	61	108	115	73	122	131	85	151	

TY1-Dual Speed TY1双速型 (手动小车)

Model型号	TY1-Dual Speed TY1双速									
	0.5-01D	01-01D	1.5-01D	02-01D	02-02D	03-01D	03-02D	03-03D	05-02D	
Capacity(吨)载重	0.5t	1t	1.5t	2t	2t	3t	3t	3t	5t	
Lifting speed (m/min)提升速度	7.2/2.4	6.9/2.3	9.0/3.0	6.9/2.3	3.3/1.1	5.4/1.8	4.5/1.5	2.4/0.8	2.7/0.9	
Motor power (KW)电机功率	0.8/0.27	1.8/0.6	3.0/1.0	3.0/1.0	1.8/0.6	3.0/1.0	3.0/1.0	1.8/0.6	3.0/1.0	
Rotation speed (r/min)转速	2880 / 960									
Insulation grade绝缘等级	F grade									
Power supply电源	3 phase, 200V-690V, 50/60Hz									
Control voltage控制电压	24V / 36V / 48V									
No. of chain链条数	1	1	1	1	2	1	2	3	2	
Spec. of load chain负载规格	Φ6.3	Φ7.1	Φ10.0	Φ10.0	Φ7.1	Φ11.2	Φ10.0	Φ7.1	Φ11.2	
Net weight (kg)净重	54	74	144	150	86	159	168	102	184	

TY1 Electric Chain Hoist with Electric Trolley

TOYO TY1环链电动葫芦 (电动跑车款)



● Features产品特点

- 1 实用性强，质量可靠**
Strong practicability and reliable quality
- 2 施耐德电气元件，日本原厂Fec链条**
Schneider electric components, Fec chain from Japan
- 3 铝合金机体，外型美观，体积小重量轻**
Aluminum alloy body, beautiful appearance, small size, light weight
- 4 经过多道热处理加工，具有强度高，耐磨性好的特点**
After multi-channel heat treatment, it has the characteristics of high strength and good wear resistance.
- 5 结构紧凑，轻巧方便**
Compact structure, lightweight and convenient

● Technical Parameters性能参数表

TY1-Single Speed TY1单速型 (电动跑车式)

Model型号	TY1-Single Speed TY1单速									
	0.5-01S	01-01S	1.5-01S	02-01S	02-02S	03-01S	03-02S	03-03S	05-02S	
Capacity(吨)载重	0.5t	1t	1.5t	2t	2t	3t	3t	3t	5t	
Lifting speed (m/min)提升速度	7.2	6.6	8.8	6.6	3.3	5.4	4.4	2.2	2.7	
Motor power (KW)电机功率	0.8	1.5	3	3	1.5	3	3	1.5	3	
Traversing Speed速度 (m/min)	20					10				
Traversing Motor跨移电动机	50Hz					12				
	60Hz					24				
Output输出 (KW)	0.4					0.75				
	Rating评级 (%ED)					40				
Rotation speed (r/min)转速	1440 r/min									
Insulation grade绝缘等级	F grade									
Power supply电源	3 phase, 200V-690V, 50/60Hz									
Control voltage控制电压	24V / 36V / 48V									
No. of chain链条数	1	1	1	1	2	1	2	3	2	
Spec. of load chain负载规格	Φ6.3	Φ7.1	Φ10.0	Φ10.0	Φ7.1	Φ11.2	10	Φ7.1	Φ11.2	
Net weight (kg)净重	47	61	108	115	73	122	131	85	151	

TY1-Dual Speed TY1双速型 (电动跑车式)

Model型号	TY1-Dual Speed TY1双速									
	0.5-01D	01-01D	1.5-01D	02-01D	02-02D	03-01D	03-02D	03-03D	05-02D	
Capacity(吨)载重	0.5t	1t	1.5t	2t	2t	3t	3t	3t	5t	
Lifting speed (m/min)提升速度	7.2/2.4	6.9/2.3	9.0/3.0	6.9/2.3	3.3/1.1	5.4/1.8	4.5/1.5	2.4/0.8	2.7/0.9	
Motor power (KW)电机功率	0.8/0.27	1.8/0.6	3.0/1.0	3.0/1.0	1.8/0.6	3.0/1.0	3.0/1.0	1.8/0.6	3.0/1.0	
Traversing Speed速度 (m/min)	20-4月					2-10月				
Traversing Motor跨移电动机	50Hz					11.5/2.3				
	60Hz					23.5/4.7				
Rotation speed (r/min)转速	2880 / 960									
Insulation grade绝缘等级	F grade F级									
Power supply电源	3 phase, 200V-690V, 50/60Hz									
Control voltage控制电压	24V / 36V / 48V									
No. of chain链条数	1	1	1	1	2	1	2	3	2	
Spec. of load chain负载规格	Φ6.3	Φ7.1	Φ10.0	Φ10.0	Φ7.1	Φ11.2	Φ10.0	Φ7.1	Φ11.2	
Net weight (kg)净重	54	74	144	150	86	159	168	102	184	

TY1 Low Headroom Type Electric Chain Hoist

TOYO TY1低净空电动葫芦



● Features产品特点

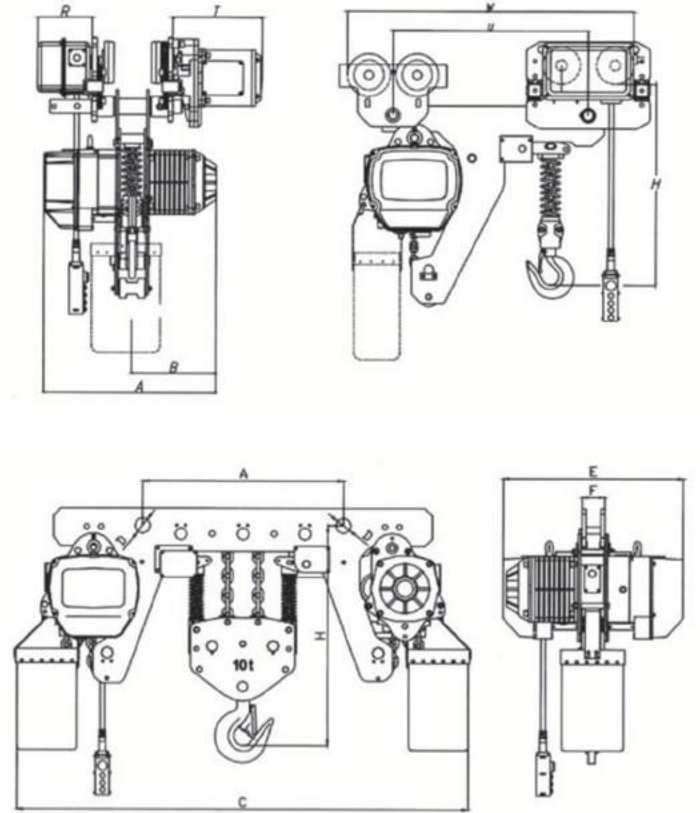
- 1 实用性强，质量可靠**
Strong practicability and reliable quality
- 2 施耐德元器件。**
Schneider components Schneider components
- 3 侧磁制动装置：该装置应能在断电时实现瞬间制动。**
Side magnetic brake device: This device should be able to achieve instantaneous braking when power is off.
- 4 经过多道热处理加工，具有强度高，耐磨性好的特点**
After multi-channel heat treatment, it has the characteristics of high strength and good wear resistance.
- 5 链条采用进口Fec80超热处理合金钢链条。**
The chain is made of imported Fec80 superheat treated alloy steel.

● Size specification 尺寸规格

Model型号	H	A	B	W	U
0.5-01L	400	460	230	585	400
0.5-01LD	400	545	260	585	400
01-01L	480	520	260	630	445
01-01LD	480	582	280	630	445
1.5-01L	570	615	295	720	505
1.5-01LD	570	670	313	720	505
02-01L	570	615	295	720	505
02-01LD	570	670	313	720	505
02-02L	535	520	260	665	445
02-02LD	535	582	280	665	445
2.5-01L	640	615	295	775	526
2.5-01LD	640	670	313	775	526
03-01L	640	615	295	775	526
03-01LD	640	670	313	775	526
03-02L	685	615	295	750	503
03-02LD	685	670	313	750	503
05-02L	740	615	295	825	541
05-02LD	740	670	313	825	541
7.5-03L	890	615	295	1020	730
7.5-03LD	890	670	313	1020	730

TY1 Low Headroom Type Electric Chain Hoist

TOYO TY1低净空电动葫芦



● Technical Parameters性能参数表

TY1-Single Speed With Low Headroom TY1单速，低净空

Model型号	TY1-Single Speed With Low Headroom TY1单速，低净空								
Capacity (t)载重	0.5t	1t	1.5t	2t	3t	5t	7.5t		
Lifting speed (m/min)提升速度	7.2	6.6	8.8	6.6	3.3	5.4	4.4	2.7	1.8
Motor power (Kw)电机功率	0.8	1.5	3	3	1.5	3	3	3	3
Rotation speed (r/min)转速	1440 r/min								
Insulation grade绝缘等级	F grade								
Power supply电源	3 phase, 200V-690V, 50/60Hz								
Control voltage控制电压	24V / 36V / 48V								
No. of chain链条数	1	1	1	1	2	1	2	2	3
Spec of load chain负载链规格	Φ6.3	Φ7.1	Φ10.0	Φ10.0	Φ7.1	Φ11.2	Φ10.0	Φ11.2	Φ11.2

TY1-Dual Speed With Low Headroom TY1双速，低净空

Model型号	TY1-Dual Speed With Low Headroom TY1双速，低净空								
Capacity (t)载重	0.5t	1t	1.5t	2t	3t	5t	7.5t		
Lifting speed (m/min)提升速度	7.2/2.4	6.9/2.3	9.0/3.0	6.9/2.3	3.3/1.1	5.4/1.8	4.5/1.5	2.7/0.9	1.8/0.6
Motor power (Kw)电机功率	0.8/0.27	1.8/0.6	3.0/1.0	3.0/1.0	1.8/0.6	3.0/1.0	3.0/1.0	3.0/1.0	3.0/1.0
Rotation speed (r/min)转速	2880 / 960								
Insulation grade绝缘等级	F grade								
Power supply电源	3 phase, 200V-690V, 50/60Hz								
Control voltage控制电压	24V / 36V / 48V								
No. of chain链条数	1	1	1	1	2	1	2	2	3
Spec of load chain负载链规格	Φ6.3	Φ7.1	Φ10.0	Φ10.0	Φ7.1	Φ11.2	Φ10.0	Φ7.1	Φ11.2

Electric Chain Hoist TY2 (with Hook Suspension)

电动环链葫芦TY2型 (挂钩式)



● Features产品特点

- 1 维护简单，操作方便**
Low-maintenance and easy-operation
- 2 铝压铸一体化机身并搭载双速变频器**
Aluminum die casting integrated body and equipped with dual speed inverter
- 3 西门子单速接触器控制、冷却风扇电机、电磁制动器、碳质摩擦离合器、上下限位开关**
TSIEMENS Contactor control for single speed
Cooling fan motor, Electromagnetic brake, Carbon friction clutch, Upper-Lower Limit Switch
- 4 人机工程学及人性化按钮控制(防护等级IP65)**
Ergonomic and user-friendly push button control (Protection Class IP 65)

● Technical Parameters性能参数表

TY2-Single Speed With Hook Suspension TY2-S单速型 (挂钩式)

Capacity (t) 载重	Model 型号	Hoist Body 吊钩本体	Standard Lift(m) 标准行程	Push Button Code L(m) 按钮行程长度	Lifting Motor 提升电机		Lifting Speed(m/min) 提升速度		Load Chain 吊链	Classification ISO/FEM 等级	Test Load(t) 试验载荷	Net Weight(kg) 净重	Additional Weight per 1M Lift(kg) 行程每米应加的重量
					Our Power 输出功率	Rating (% ED) 额定负载	50Hz	60Hz					
1	TY2-010S	D	3	2.5	1.8	60	7.1	8.4	7.1-21*1	M5/2AM	1.25	50	1.33
1.5	TY2-015S	E					4.5	5.1	10-30*1		1.88	72	
2	TY2-020S-S2	D					3.5	4.2	7.1-21*2		4.5	61	
	TY2-020S	E					7	8.4	10-30*1			91	
3	TY2-030S-S2	E	2.8	3.5	M4/1AM	4.5	5.1	10-30*2	3.75	114	4.7		
	TY2-030S					4.4	5.3	11.2*34*1		107			
5	TY2-050S	F				2.9	3.5	11.2*34*2		6.25		120	5.5

TY2- Dual Speed With Hook Suspension TY2-S双速型 (挂钩式)

Capacity (t) 载重	Model 型号	Hoist Body 吊钩本体	Standard Lift(m) 标准行程	Push Button Code L(m) 按钮行程长度	Lifting Motor 提升电机		Lifting Speed(m/min) 提升速度		Load Chain 吊链	Classification ISO/FEM 等级	Test Load(t) 试验载荷	Net Weight(kg) 净重	Additional Weight per 1M Lift(kg) 行程每米应加的重量		
					Out Put(kw) 输出功率	Rating (% ED) 额定负载	50Hz								
							High 高值	Low 低值							
1	TY2M010S	D	3	2.5	1.8	40/20	Preset	7.1	1.4	7.1-21*1	M5/2Am	1.25	52	1.33	
1.5	TY2M015S	E					Adjustable	4.5	0.9						10-30*1
							Adjustable	4.5-0.9	0.9						
2	TY2M020S/2S	D					Preset	3.5	0.7						7.1-21*2
			Adjustable	3.5-0.7	0.7										
2	TY2M020S	E	Preset	7	1.4	10-30*1	89								
			Adjustable	7	1.4										
3	TY2M030S/3S/2	E	2.8	3.5	M4/1Am	Preset	4.5	0.9	10-30*2	3.75	107	114			
						Adjustable	4.5-0.9	0.9							
3	TY2M030S	E				Preset	4.4	0.8	11.2*34*1				114		
						Adjustable	4.4-0.8	0.8							
5	TY2M050S	F	2.9	0.5	11.2*34*2	6.25	120	5.6							

Electric Chain Hoist TY2 (with Manual Trolley)

电动环链葫芦TY2型 (手动跑车式)



● Features产品特点

- 1 可轻松调节以适应任何锥形或平梁**
Adjustable to fit any tapered or flat-flanged beams
- 2 安全卡起保险作用**
Security card acts on insurance
- 3 用于紧密连接的悬挂和钩式悬挂吊杆**
Suspender for close connected suspension and hook suspension type
- 4 热处理后的钢轮再经过硬化处理，使用寿命延长**
Heat-treated steel wheels are hardened for long life
- 5 密封球轴承维修简便**
Maintenance-friendly sealed ball bearings

● Technical Parameters性能参数表

TY2- Single Speed With Manual Trolley TY2-S单速型 (手动跑车式)

Capacity (t) 载重	Model 型号	Hoist Body 吊钩本体	Standard Lift(m) 标准行程	Push Button Code L(m) 按钮行程长度	Lifting Motor 提升电机		Lifting Speed(m/min) 提升速度		Load Chain 吊链	Classification ISO/FEM 等级	Test Load(t) 试验载荷	Net Weight(kg) 净重	Additional Weight per 1M Lift(kg) 行程每米应加的重量
					Our Power 输出功率	Rating (% ED) 额定负载	50Hz	60Hz					
1	TY2-010S	D	3	2.5	1.8	60	7.1	8.4	7.1-21*1	M5/2AM	1.25	50	1.33
1.5	TY2-015S	E					4.5	5.1	10-30*1		1.88	72	
2	TY2-020S-S2	D					3.5	4.2	7.1-21*2		4.5	61	
	TY2-020S	E					7	8.4	10-30*1			91	
3	TY2-030S-S2	E	2.8	3.5	M4/1AM	4.5	5.1	10-30*2	3.75	114	4.7		
	TY2-030S					4.4	5.3	11.2*34*1		107			
5	TY2-050S	F				2.9	3.5	11.2*34*2		6.25		120	5.5

TY2- Dual Speed With Manual Trolley TY2-S双速型 (手动跑车式)

Capacity (t) 载重	Model 型号	Hoist Body 吊钩本体	Standard Lift(m) 标准行程	Push Button Code L(m) 按钮行程长度	Lifting Motor 提升电机		Lifting Speed(m/min) 提升速度		Load Chain 吊链	Classification ISO/FEM 等级	Test Load(t) 试验载荷	Net Weight(kg) 净重	Additional Weight per 1M Lift(kg) 行程每米应加的重量		
					Our Power 输出功率	Rating (% ED) 额定负载	50Hz								
							High 高值	Low 低值							
1	TY2M010S	D	3	2.5	1.8	40/20	Preset	7.1	1.4	7.1-21*1	M5/2Am	1.25	52	1.33	
1.5	TY2M015S	E					Adjustable	4.5	0.9						10-30*1
							Adjustable	4.5-0.9	0.9						
2	TY2M020S/2S	D					Preset	3.5	0.7						7.1-21*2
			Adjustable	3.5-0.7	0.7										
2	TY2M020S	E	Preset	7	1.4	10-30*1	89								
			Adjustable	7	1.4										
3	TY2M030S/3S/2	E	2.8	3.5	M4/1Am	Preset	4.5	0.9	10-30*2	3.75	107	114			
						Adjustable	4.5-0.9	0.9							
3	TY2M030S	E				Preset	4.4	0.8	11.2*34*1				114		
						Adjustable	4.4-0.8	0.8							
5	TY2M050S	F	2.9	0.5	11.2*34*2	6.25	120	5.6							

Electric Chain Hoist TY2 (with Electric Trolley)

电动环链葫芦TY2型 (带电动跑车款)



● Features产品特点

- 1 维护简单，操作方便**
Low-maintenance and easy-operation
- 2 铝压铸一体化机身并搭载双速变频器**
Aluminum die casting integrated body and equipped with dual speed inverter
- 3 西门子单速接触器控制、冷却风扇电机、电磁制动器、碳质摩擦离合器、上下限位开关**
TSIEMENS Contactor control for single speed
Cooling fan motor, Electromagnetic brake, Carbon friction clutch, Upper-Lower Limit Switch
- 4 人机工程学及人性化按钮控制(防护等级IP65)**
Ergonomic and user-friendly push button control (Protection Class IP 65)

● Technical Parameters性能参数表

TY2 Single Speed With Electric Trolley TY2-S单速型 (电动跑车式)

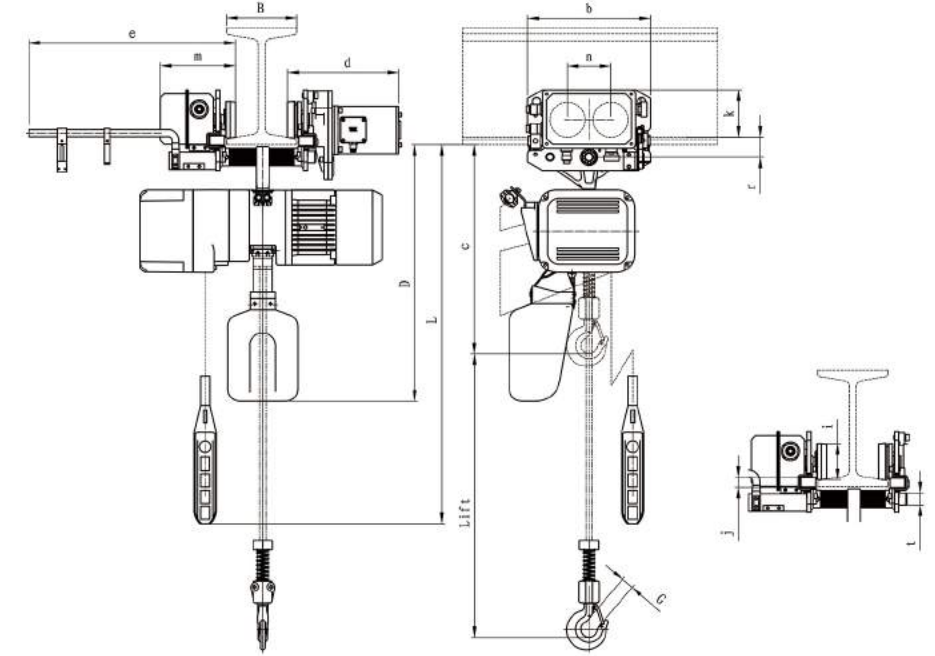
Capacity (T) 载重	Model 型号	Hoist Body 机体	Standard Lift 标准提升行程	Push Button Code L(米) 按钮行程长度	Lifting Motor 提升电机		Lifting Speed(m/min) 提升速度		Load Chain 负载链	Classification ISO/FEM 等级	KDM Model 型式	Moving Motor 横行电机		Moving Speed (m/min) 横行速度	Flange Width (mm) 适用轨道宽度	Min Radius Curve (mm) 最小曲线半径	Additional Weight per 1M Lift(kg) 吊程每米1米应加的重量														
					Out Put(kw) 输出功率	Rating (% ED) 反复额定	50Hz	60Hz				Out Put (kw) 输出功率	Rating (% ED) 反复额定																		
																		50Hz	60Hz												
1	TY2-010S	D	3	2.5	1.8	60	7.1	8.4	7.1-21-1	M5/2Am	KDM-010S	0.4	40	20	23.5	74-180	800(3500)	1.33													
1.5	TY2-015S	E					4.5	5.1	10-30-1										KDM-020S	10	11.5	80-180	800(1000)	2.5							
2	TY2-020S	D					7	8.4	10-30-1																M4/1Am	KDM-010S	10	11.5	94-180	1000	4.7
2.5	TY2-025S	E					5.7	6.8	11.2-34-1										KDM-010S	10	11.5	94-180	1000	4.7							
3	TY2-030S/S2	F					4.5	5.1	10-30-2																						
3	TY2-030S	E	4.4	5.3	11.2-34-1	KDM-010S	10	11.5	94-180	1000	4.7																				
5	TY2-050S	F	2.9	3.5	11.2-34-2							KDM-010S	10	11.5	102-180	1000	5.5														

Sizes(mm) 尺寸表

Capacity (T) 载重	Model 型号	Hoist Body 机体	Headroom 最小钩间距	Dimensions															
				D	b	d	e	g	i	j	k	m	n	r	t				
1t	TY2M010S	D	537	659	315	293	530	30	95	26	121.5	792	111	51	31				
1.5t	TY2M015S	E																	
2t	TY2M020S/2S	D	860	865	325	299	539	43	110	29	119	201	128	61	36				
2.5t	TY2M025S	E																	
2.5t	TY2M030S/S2	F	861	789	340	306	560	45	125	29	127	205	140	72	43				
		E	743	800	340	306	560	45	125	29	127	205	140	72	43				
3t	TY2M030S	E																	
5t	TY2M050S	F	807	820	402	380	608	48	140	32	143	218	155	48	54				

Electric Chain Hoist TY2 (with Electric Trolley)

电动环链葫芦TY2型 (带电动跑车款)



● Technical Parameters性能参数表

TY2 Dual Speed With Electric Trolley TY2-M双速型 (电动跑车式)

Capacity (T) 载重	Model 型号	Hoist Body 机体	Standard Lift 标准提升行程	Push Button Code L(米) 按钮行程长度	Lifting Motor 提升电机		Lifting Speed(m/min) 提升速度		Load Chain 负载链	Classification ISO/FEM 等级	Moving Motor 横行电机	Moving Speed (m/min) 横行速度		Flange Width (mm) 适用轨道宽度	Min Radius Curve (mm) 最小曲线半径	Test Load(吨) 实验载重		
					Out Put(kw) 输出功率	Rating (% ED) 反复额定	50Hz					Out Put (kw) 输出功率	Rating (% ED) 反复额定					
							High 高值	Low 低值									Standard 标准	Low(opt) 可选
1	TY2M010S	D	3	2.5	1.8	40/20	Preset 预设值	7.1	1.4	M5/2Am	40	20	4	74-180	800(3500)	1.25		
1.5	TY2M015S	E					Adjustable 可调值	4.5	0.9								10-30-1	1.88
							Preset 预设值	3.5	0.7									
2	TY2M020S/2S	D					Adjustable 可调值	7	1.4								10-30-1	2
							Preset 预设值	4.5	0.9									
2.5	TY2M030S/S2	E	Adjustable 可调值	4.4	0.8	11.2-34-1	3.75											
			Preset 预设值	2.9	0.5			11.2-34-2	6.25									

Electric Wire Rope Hoist TY-II

钢丝绳电动葫芦CD1、MD1



CD1

Advantages产品优势

CD1型、MD1型钢丝绳电动葫芦是一种小型起重设备，其主要工作原理为可安装在单梁、桥、龙门、臂式起重机上。

Model CD1, MD1 Electric Wire Hoist is a small-sized lifting equipment, which can be mounted on single beam, bridge, gantry and arm cranes.

稍加改造，也可作为绞车使用。

With slight modification, it can also be used as a winch.

广泛应用于工厂、矿山、港口、仓库、货场、商店等，对提高工作效率、改善工作条件至关重要。

It is widely used in factories, mines, harbors, warehouses, cargo storage areas and shops, essential in raising working efficiency and improving working conditions.

CD1型电动葫芦只有正常转速，可以满足正常使用。

Model CD1 Electric Hoist has only normal speed, which can satisfy normal application.

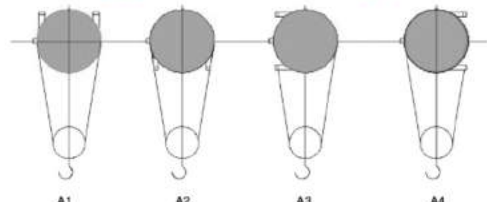
MD1型电动葫芦提供两种速度：正常速度和低速。低速时，可进行精密装卸、砂箱堆垛、机床维修等。

Model MD1 Electric Hoist provides two speeds: normal speed and low speed. At a low speed, it can do precise loading and unloading, mounding of sand box, maintenance of machine tools, etc.

Electric Hoist With Rope Winding System



Mounting Patterns Fixed Type Hoist



Features产品特点

标准升降高度为6、9、12、18、24、30、36米。

The standard lifting height is 6,9,12, 18,24,30 and 36 meters.

提升速度可单速或双速，甚至多速变频。

The lifting speed can be single speed or double speed, even multi-speed with frequency inverters.

低扬程提升机的合适轨道为h型轨道，也可选用i型轨道。

The suitable rail for the low-headroom hoist is H-type rail, and I-type is also available.

此类提升机的推荐绳分度为2/1、4/2或4/1。

The recommended rope reeving of the kind of hoist is 2/1, 4/2 or 4/1.

正常行驶速度为20m/min，按要求为12.5 m/min、16 m/min、25 m/min、32m/min。

The normal travelling speed is 20m/min, and 12.5, 16, 25,32m/min by request.

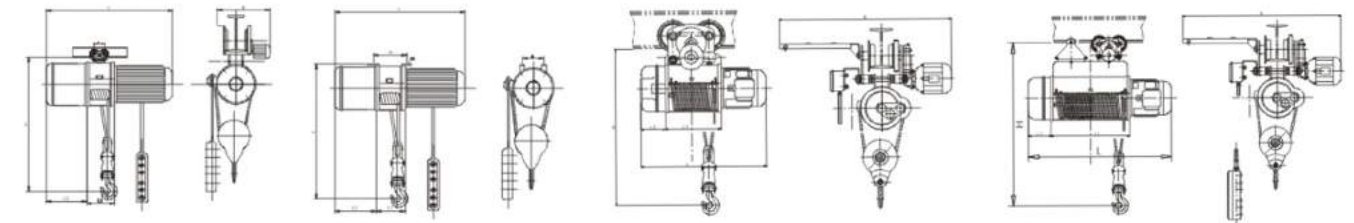
双格柵提升机的标准里尔规为1200、1500、1800、2100、2300mm。

The normal rial gauge of the double-grider hoist is 1200, 1500, 1800, 2100 and 2300mm.

这种提升机的正常运行速度为20m/min，根据要求为30m/min、45m/min。

The normal travelling speed of this kind of hoist is 20m/min, and 30, 45m/min by request.

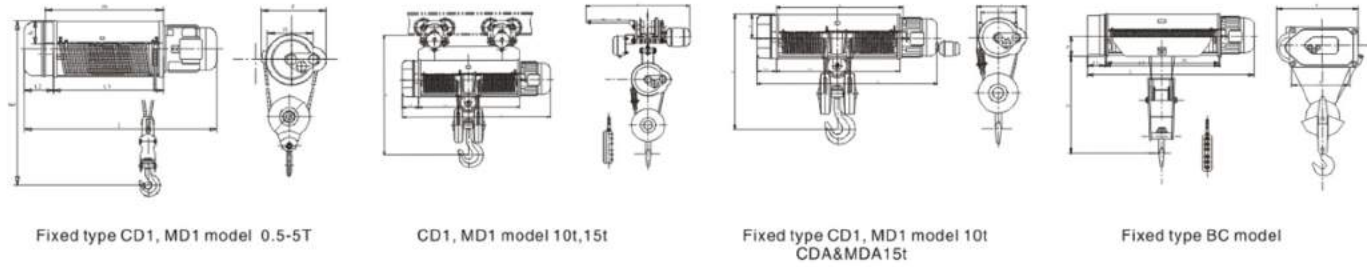
MD1



CD1, MD1 model 0.25t Fixed type CD1, MD1 model 0.25t CD1, MD1 model 0.5-5T (lifting height 6-9m) CD1, MD1 model 0.5-5T (lifting height 12-30m)

Technical Parameters性能参数表

Model型号		CD1 & MD1																								
Capacity容量	T	0.25			0.5			1				2				3										
Hoisting Height起升高度	M	3	6	9	3	6	9	6	9	12	18	24	30	6	9	12	18	24	30	6	9	12	18	24	30	
Lifting speed提升速度	M/min	8			8			8				8				8										
Travel speed	M/min	8/0.8			8/0.8			8/0.8				8/0.8				8/0.8										
		20			20			20				20				20										
Wire rope 钢丝绳	Dia mm	3.6			4.7			7.7				13				13										
	Construction施工	6x19			D-6x37+1			D-6x37+1				D-6x37+1				D-6x37+1										
Track 轨道	T-steel specification	16-22b			16-28b			16-28b				20a-32c				20a-32c										
	Min. curvature radius m	0.8			1.5			1.5	2	3	4	2	2.5	3	4	2	2.5	3	4	2	2.5	3	4			
Power source电源		3-phase, AC, 380V,50HZ																								
Working system and working group工作制度和工作组		Intermediate FC=25%,working group M3																								
Hoisting motor 起重电动机	Power功率 Kw	0.4			0.8			1.5				3				4.5										
	Rotation speed转速 R/min	1380			1380			1380				1380				1380										
	Current当前 A	1.25			2.4			4.3				7.6				11										
Travelling motor 行走电动机	Power功率 Kw	0.06			0.2			0.2				0.4				0.8										
	Rotation speed转速 R/min	1400			1380			1380				1380				1380										
	Current当前 A	0.30			0.72			0.72				1.25				1.25										
Net weight:15%(kg) 净重	CD	44	44.4	45	120	125	145	145	158	180	195	208	222	235	248	296	320	340	365	280	300	350	380	405	435	
	MD				135	140	160	160	170	200	210	220	230	265	278	326	350	370	395	310	330	380	410	435	465	
	CD fixed	30	30.4	31	80	85	90	110	120	125	140	150	165	168	180	190	210	230	250	220	235	250	275	300	325	
	MD fixed				100	105	110	130	140	145	155	165	180	196	210	220	240	260	280	250	265	280	305	330	355	
Main dimension (mm) 主要尺寸	H	423			630			670				960				960				985						
	E	395			493			584				740				848										
	L2	216			126			159				187				230										
	L1				274	346	418	345	443	541	737	933	1129	352	452	552	752	952	1152	380	483	586	792	998	1024	
	L	CD	391			616	688	760	758	856	955	1510	1346	1542	820	920	1020	1220	1420	1620	915	1018	1121	1327	1533	1738
		MD				638	710	782	780	878	976	1172	1368	1542	820	920	1020	1220	1420	1620	915	1018	1121	1327	1533	1738
	m	104			318	390	462	401	499	597	793	989	1185	418	518	618	818	1018	1218	448	551	664	860	1066	1272	
	n	130			190			196				240				264										
	h				145			152.5				190				211.5										
	φ	17			17			20				25				25										
	B	279-315			279-884			279-884				279-930				279-930										
	F				355-426			354/492				400/562				438/642										



Technical Parameters性能参数表

Model型号		CD1 & MD1										CDA&MDA			BC-model CD1 & MD1							
Capacity容量	T	5					10					15			20			32				
Hoisting Height起升高度	M	6	9	12	18	24	30	9	12	18	24	30	9	12	18	6	9	12	16	12	16	18
Lifting speed提升速度	M/min	8					7					3.5			3.3			c				
		8/0.8					7/0.7					3.5/0.35			3.3/0.33							
Travel speed	M/min	20					20					18			14			/				
		30					30															
Wire rope钢丝绳	Dia	15					15					17.5			D-6x37+1			26				
	Construction施工	D-6x37+1					D-6x37+1					D-6x37+1			over 63			D-6x37+1				
Track轨道	T-steel specification	25a-63c					32b-63c					50c-63c			3.5 4 6			/				
	Min. curvature radius	2	2.5	3	4	3.5	4	6	7.5	9	4	6	7.5	3.5	4	6	/					
Power source电源		3-phase, AC, 380V, 50HZ																				
Working system and working group工作制度和工作组		FC=25%, M3					FC=25%, M3					FC=25%, M2			FC=25%, M2			FC=25%, M3				
Hoisting motor起重电动机	Power功率	7.5					1.3					1.3			1.3			18.5				
	Rotation speed转速	0.8/7.5					1.5/13					1.5/13			1.5/13			920				
	Current当前	18					30					30			30			40				
Travelling motor行走电动机	Power功率	0.8					0.8x2					0.8x2			0.8x2			/				
	Rotation speed转速	1380					1380					1380			1380			/				
	Current当前	2.4					2.4x2					2.4x2			2.4x2			/				
Net weight±15%(kg)净重	CD	445	470	555	590	630	670	1010	1063	1166	1263	1317	1284	1492	1598	1070	1090	1130	1170	/	/	/
	MD	480	505	590	630	660	705	1100	1153	1256	1353	1407	1376	1582	1788	1160	1180	1220	1260	/	/	/
	CD fixed	355	375	390	425	460	500	759	807	900	987	1032	1000	1186	1392	940	960	1000	1040	2450	2650	2850
	MD fixed	390	410	425	460	500	535	8498	897	990	1077	1122	1090	1094	1300	1030	1050	1090	1130	/	/	/
Main dimension (mm)主要尺寸	H	1160					1310					2100			2186			/				
	E	998					1068					1747			1741			2120				
	L2	274					303					303			318			/				
	L1	415	525	625	835	1045	1255	875	1056	1418	1780	2142	1136	1576	1796	730	880	1185	1475	/	397	/
		CD	1047	1157	1257	1467	1677	1887	1602	1783	2145	2507	2869	1869	2089	2529	/	/	/	/	/	/
	MD	1059	1169	1269	1479	1682	1899	1969	2150	2512	2874	3236	2230	2650	3090	/	/	/	/	/	/	/
	m	485	606	695	905	1115	1325	949	1130	1492	1854	2246	1210	1430	1870	796	946	1251	1541	/	/	/
	n	320					376					376			385			600				
	h	255.5					305.5					305.5			302.5			340				
	φ	31					37					41			37			25				
	B	279-1058					279-1058					279-1058			279-1213			/				
F	472/675					612					612			700			940					

Electric Wire Rope Hoist TY-II 钢丝绳电动葫芦TY-II

Advantages产品优势

1 Safe Lifting安全提升

The guide rope adopts ductile iron, which has a longer service life and safer brake design.
导绳采用球墨铸铁，使用寿命更长，制动设计更安全。

2 Lightweight Hook轻量级钩

The hook material of the large-capacity LB025~LB090 is made of alloy structural steel. Light weighting is achieved without changing its size, and it is more reliable and safer.
大容量LB025~LB090挂钩材料为合金钢结构钢。重量轻，无需改变其大小，更可靠和安全。

3 Solid Wire Rope固体钢丝绳

Solid wear resistance, hard tensile force, not easy to break, not easy to curl deformation, not only tough, its corrosion resistance, wear resistance is also very strong.
固体耐磨性强，拉力硬，不易断裂，不易卷曲变形，不仅坚韧，其耐腐蚀性、耐磨性也非常强。



Features产品特点

高精度行星齿轮箱设计，噪音低。

High precision planetary gearbox design with low noise.

导向器采用球墨铸铁制造，使用寿命更长。

The sound guide is made of ductile iron with longer service life.

进口电器质量可靠。

The quality of imported electric appliances is reliable.

纯铜丝电机。升级新产品，提高电机效率，省力。

Pure copper wire motor. Upgrade new products to improve motor efficiency and save effort.

铝铸外壳。重量轻，散热快，噪音低，增加了整机的稳定性。

Aluminum housing. Light weight, fast heat dissipation, low noise, increasing the overall stability of the machine.

Technical Parameters性能参数表

Model型号	TY-II-3.2T		TY-II-5T		TY-II-10T	
Working Level工作级别	M4					
Rated Lifting Capacity (kg)额定起重量	3200		5000		10000	
Lifting Height (m)起升高度	6,9,12,18,24,30,36					
Lifting Speed (m/min)起升速度	Single Speed: 8		Single Speed: 8		Single Speed: 6.3	
	Double Speed: 8/13		Double Speed: 8/0.8		Double Speed: 6.3/0.63	
Running Speed (m/min)运行速度	12.5/20					
Power Supply电源	Three Phase 380V 50Hz					
Operation Counts (s/h)启动次数	≤240					
Main Power主电机	4.5KW1380rpm	4.6KW2820rpm	7.5KW1400rpm	13KW1400rpm	15KW1400rpm	
Slow Motor慢速电机	0.63KW440rpm		0.8KW1380rpm		1.5KW1380rpm	
Running Motor运行电机	0.4KW1380rpm		0.8KW1380rpm		1.5KW1380rpm	
Box Structure Beam Rail Width (mm)箱型结构梁轨宽	250-350		300-400		350-450	
Wire Rope Code GB8918-1996钢丝绳代号	12NAT6×35W+NF1770ZS		15NAT6×37W+FC160 ZS 130		20NAT6×37W+FC1870ZS	

Single Girder Electric Wire Rope Hoist

TOYO 单梁钢丝绳葫芦

● Features产品特点



结构紧凑,自重轻,轮压小,综合性价比高

Compact structure, light weight, small wheel load, higher performance better price

领先的技术和部件性能保证了产品最优的极限尺寸和设备高度,在保证高效性能前提下结构紧凑,同样的厂房和工作区域内,TWH钢丝绳电动葫芦能够覆盖更大的作业范围,增大厂房内部面积的利用率,减小盲区。如果在厂房设计阶段就依据TOYO的成品系列参数进行设计,可以大大降低起重设备对厂房高度和承载力的要求,为客户减少厂房投资10%以上,提升投资效率。

Advanced technology and components can make sure the hoist in a optimal state even been used on limited size and height, on the premise of guarantee high performance, make the size as small as possible, TWH electric wire rope hoists occupy large working seppe compared with otherhoists which used in

the same workshop and same working area, increase workshop use ratio and decrease blind area. It can help you drastically decrease the height and bearing of workshop if you design new plant referring to TOYO hoist. For customers, it can reduce facility investment by more than 10% and improve investment efficiency,

● Technical Parameters性能参数表

额定起重量 (kg) Capacity	起升高度 (m) Lift Height	起升速度 (m/min) Lifting Speed	行走速度 (m/min) Traveling Speed	行走功率 (KW) Traveling Power	工作制 (FEM/ISO) Hoist Work Group	H尺寸 (mm) H Size	C尺寸 (mm) C Size
1000	6/9/12/15/18	1.6/10	5/20	0.2	4m/M7	235	485
1250	6/9/12/15/18	1.6/10	5/20	0.2	3m/M6	235	485
1600	6/9/12/15/18	0.8/5	5/20	0.2	3m/M6	235	555
1600	6/9/12/15/18	1.3/8	5/20	0.2	4m/M7	235	555
2000	6/9/12/15/18	0.8/5	5/20	0.31	2m/M5	235	585
2000	6/9/12/15/18	1.3/8	5/20	0.31	3m/M6	235	595
2500	6/9/12/15/18	0.8/5	5/20	0.31	3m/M6	235	595
2500	6/9/12/15/18	1.3/8	5/20	0.31	2m/M5	235	595
3200	6/9/12/15/18	1.0/6.3	5/20	0.44	2m/M5	235	595
3200	6/9/12/15/18	0.8/5	5/20	0.44	2m/M5	235	595
5000	6/9/12/15/18	0.8/5	5/20	0.44	2m/M5	251	595
5000	6/9/12/15/18	1.3/8	5/20	0.44	1Am/M4	251	595
5000	6/9/12/15/18	1.6/10	5/20	0.44	2m/M5	317	765
5000	6/9/12/15/18	1.3/8	5/20	0.64	3m/M6	317	765
6300	6/9/12/15/18	0.8/5	5/20	0.64	2m/M5	251	595
6300	6/9/12/15/18	1.0/6.3	5/20	0.64	3m/M6	317	765
6300	6/9/12/15/18	0.8/5	5/20	0.64	4m/M7	317	765
8000	6/9/12/15/18	0.8/5	5/20	0.96	3m/M6	317	765
8000	6/9/12/15/18	1.3/8.0	5/20	0.96	1Am/M4	317	765
10000	6/9/12/15/18	0.8/5	5/20	0.96	2m/M5	317	765
10000	6/9/12/15/18	1.0/6.3	5/20	0.96	1Am/M4	317	765
12500	6/9/12/15/18	0.66/4	5/20	0.96	2m/M5	317	765
12500	6/9/12/15/18	0.8/5	5/20	0.96	1Am/M4	317	765
5000	18/22/26/30	1.6/10	5/20	0.44	2m/M5	317	765
8000	18/22/26/30	1.3/8	5/20	0.96	2m/M5	364	900
10000	18/22/26/30	1.3/8	5/20	0.96	1Am/M4	364	900
16000	6/9/12/15/18	0.66/4	5/20	0.96x2	2m/M5	364	850

Double Girders Electric Wire Rope Hoist

TOYO TWH双梁钢丝绳电动葫芦

● Features产品特点

- 1 控制电压48V**
48 v Control voltage
- 2 起升限位开关**
Lifting Limit switch
- 3 吊钩组, 带安全卡扣**
Hook block, with a security tolleyd buckle
- 4 380V/3Ph/50Hz供电电压**
380 v/3 ph/50 hz power supply voltage
- 5 电机防护等级IP55,绝缘等级F**
The motor protection grade IP55, insulation class F
- 6 起升电磁盘式制动器,免维护设计**
Electromagnetic disc brake for lifting, free maintenance design
- 7 1t~ 32t标配双速起升电机, 32t~ 63t标配变频起升电机**
1 t- 32 t standard two-speed iting motor, 32 t- 63 t standard frequency conversion iting motor



- 8 起重量限制器**
Over load limit switch
- 9 使用环境温度: -20C~+40C**
Temperature of operating environment: -20°C~+40°C
- 10 小车运行变频电机,速度5~20m/min**
The frequency conversion motor with speed of 5~20 m/min for toly running

● Technical Parameters性能参数表

额定起重量 (kg) Capacity	起升高度 (m) Lift Height	起升速度 (m/min) Lifting Speed	行走速度 (m/min) Traveling Speed	行走功率 (KW) Traveling Power	工作制 (FEM/ISO) Hoist Work Group	H尺寸 (mm) H Size	C尺寸 (mm) C Size
5000	6/9/12/15/18	0.8/5	5~20	0.2x2	2m/M5	481	420
5000	6/9/12/15/18	1.0/6.0	5~20	0.31x2	4m/M7	521	491
8000	6/9/12/15/18	0.8/5	5~20	0.44x2	2m/M5	580	686
10000	6/9/12/15/18	0.8/5	5~20	0.44x2	2m/M5	580	686
10000	6/9/12/15/18	0.66/4	5~20	0.44x2	3m/M6	580	686
10000	6/9/12/15/18	1.0/6.3	5~20	0.44x2	1Am/M4	580	686
12500	6/9/12/15/18	0.8/5	5~20	0.44x2	2m/M5	580	686
12500	6/9/12/15/18	0.8/5	5~20	0.44x2	1Am/M4	580	686
12500	6/9/12/15/18	0.66/4.0	5~20	0.96x2	3m/M6	726	752
16000	6/9/12/15/18	0.66/4	5~20	0.96x2	2m/M5	726	752
20000	6/9/12/15/18	0.6/4	5~20	0.96x2	2m/M5	726	752
20000	6/9/12/15/18	0.66/4.0	5~20	0.96x2	1Am/M4	726	752
20000	6/9/12/15/18	1.0/4.2	5~20	1.3x2	3m/M6	726	752
25000	6/9/12/15/18	0.53/3.4	5~20	1.3x2	1Am/M4	786	752
25000	6/9/12/15/18	1.0/4.2	5~20	1.3x2	2m/M5	941	800
25000	6/9/12/15/18	0.8/3.3	5~20	1.3x2	3m/M6	941	800
32000	6/9/12/15/18	0.8/3.3	5~20	1.3x2	2m/M5	941	800
32000	6/9/12/15/18	0.82~4.9	5~20	1.3x2	2m/M5	941	800
32000	6/9/12/15/18	0.68~4.1	5~20	1.9x2	3m/M6	1028	951
40000	6/9/12/15/18	0.82~4.9	5~20	1.9x2	1Am/M4	1028	951
40000	6/9/12/15/18	0.68~4.1	5~20	1.9x2	2m/M5	1028	951
50000	6/9/12/15/18	0.53~3.2	5~20	1.9x2	2m/M5	1028	960
50000	6/9/12/15/18	0.68~4.1	5~20	1.9x2	1Am/M4	1028	960
63000	6/9/12/15/18	0.53~3.2	5~20	1.9x2	1Am/M4	1078	960
63000	6/9/12/15/18	0.4~2.4	5~20	2.2x2	2m/M5	1078	960



Product Features

**模块化设计，多可选项
满足客户各种需求**
Modular design, more options
meet customers' various needs



安全监控器
Safety Monitor

COOLIFTSTAR智能监控系统，安全实用，人机友好界面，操作简单可监控和记录葫芦运行时间超载次数等信息，便于维护定期提醒摩擦片磨损报警功能的智能接口，可以扩展功能。

COOLIFTSTAR intelligent monitoring system, safe and practical, friendly human-machine interface, simple operation can monitor and record the hoist's running time, overload time etc, easy to maintain. The intelligent interface has the function of brake facing wear alarm regularly reminded, it can extend functionality.



导绳器
Rope guide

采用高强度尼龙（或球墨铸铁）重量轻、耐磨性好，有效减少钢丝绳的磨损防止钢丝绳松绳、脱槽等

Using the high strength nylon (or nodular cast iron), with light weight, good wear resistance, effectively reduce the wear of wire rope prevent the wire rope loose, jumping from groove, etc



电控箱
Electric control box

设计合理，变频控制，精度控制，精确输出，多种安全保护装置，保证设备安全操作运行元器件排线整齐划一，线号明确，便于故障排除
可选项多，可以满足不同需求
可选不锈钢箱体、散热风扇、加热器、温度监控等

Design reasonable, frequency conversion control, precision control, accurate output, a variety of security protection to ensure the safe operation of equipment operation
Component arrangement uniform, clear line number for easy troubleshooting
More options to meet the different requirements
Stainless steel cabinet, cooling fan, heater, temperature monitoring can be chosen



起升高度限制器
Over lifting limit switches

可自由调节的螺杆式起升高度限位器精度高，调节范围广，安全可靠多触点的配置可有效实现上升和下降的快、慢速的切换及停止功能

Adjustable screw-type lifting height Limit switch precision is high, the adjusting range is extensive, safe and reliable
Automatic cut-off of the lifting and lowering motions in the upper and lower limit positions



卷筒
Drum

采用Q345材质的无缝钢管作为原材料先进的加工手段，保证卷筒同心度绳槽深度符合FEM标准
高强度压板和螺栓紧固在钢丝绳末端保证起升安全性

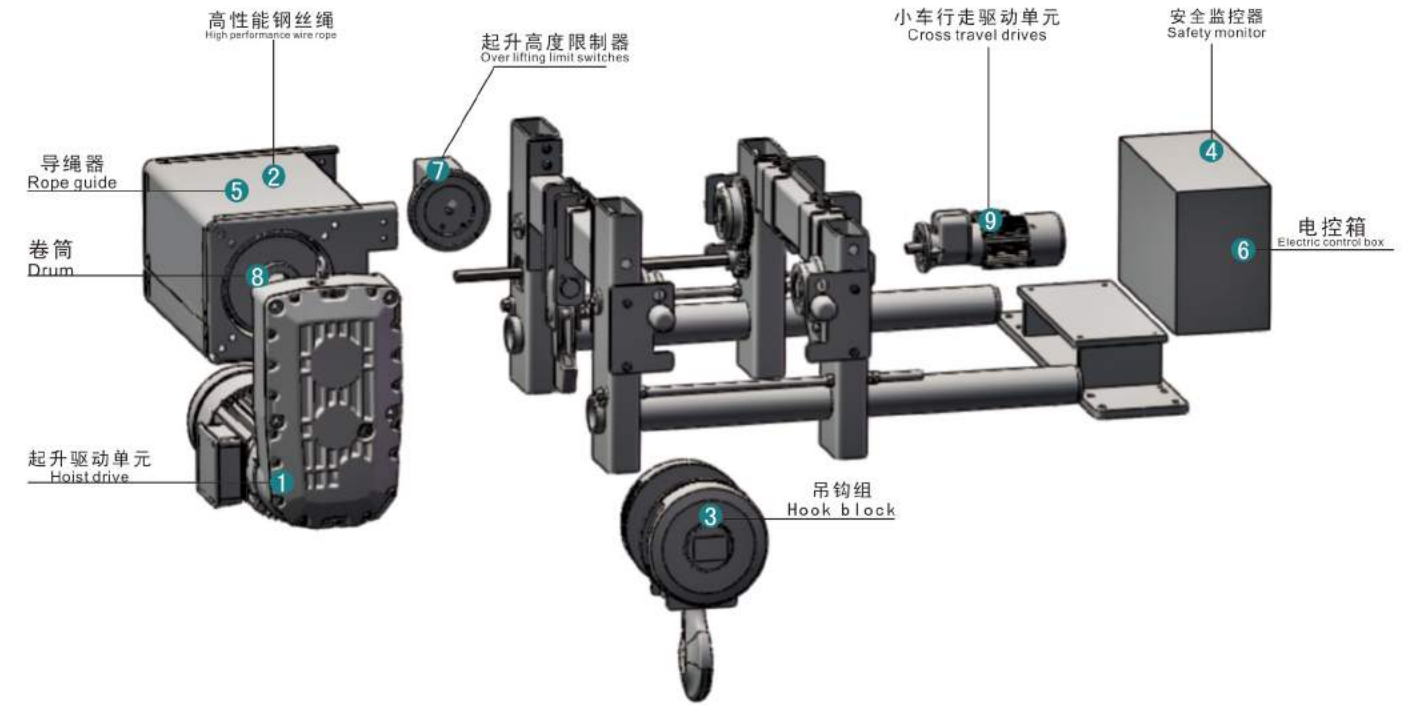
The material is Q345 seamless steel tube Advanced processing methods to ensure drum concentricity
The depth of rope groove conform to FEM High strength pressing plate and bolts are fastening at the end of wire rope Ensure the safety of lifting



小车行走驱动单元
Cross travel drives

三合一小车驱动单元，结构紧凑运行平衡 铝合金壳体、散热快、寿命长
变频控制，噪音低
启动和制动平衡，冲击力小
制动盘不含石棉
正常使用寿命可达100万次

Imports of drive three in one, compact-sized and running smoothly
Gearbox made of aluminum, good heat dissipation, long life time
Frequency conversion control, low-noise design
Starting and braking balance, low impact
Asbestos-free in brake disc Normal service life is 1 million times



起升驱动单元
Hoist Machinery

减速箱、起升电机和制动器三合一设计
起升力矩大、体积小、运行平衡、冲击力小
噪音低、能耗小，使用寿命长
接电持续率达60%，满足高频率搬运的需求
制动器不含石棉，正常使用寿命可达100万次
制动器完全封闭，防护等级高，满足在恶劣环境下工作要求

制动扭矩为电机额定扭矩的2倍
可以选配手动释放、编码器等，定制性强
让物料的水平搬运更加精确平稳
Hoist motor, gearbox and brake three in one
Large lifting torque, small size, smooth running, low impact, low noise, high efficiency, long life time, continuous operation duration factor is 60% could meet the requirement of high frequency handling
Asbestos-free in brake disc, normal service life is 1 million times
The brake is completely closed, the protection level is high, which meets the work requirement in the harsh environment.
Braking torque is 2 times the rated torque of the motor
Optional manual release, encoder, etc.
Horizontal transport of materials will be more accurate and smooth



高性能钢丝绳
High performance wire rope
进口高性能钢丝绳，抗拉强度达到2160Mpa
表面镀锌处理，可有效防腐蚀。
Imported high-performance wire rope, tensile strength 2160 N/mm²
Galvanized surface treatment, corrosion resistance



吊钩组
Hook Block

DIN标准吊钩，配有安全扣及钢丝绳护套
人机工程学设计
T级高强度材质锻造而成
随机附有吊钩无损探伤合格证
DIN standard hook with safety buckle and wire rope sheath
Ergonomic design
T-grade high-strength material
Hook with the Non-destructive Test certificate

Portable Rapid Gantry

便携式快速安装门吊

轻量级、便携、安全的起重解决方案

Lightweight, portable, safe lifting solutions



● Features产品特点

货物吊运与人员吊运双重额定

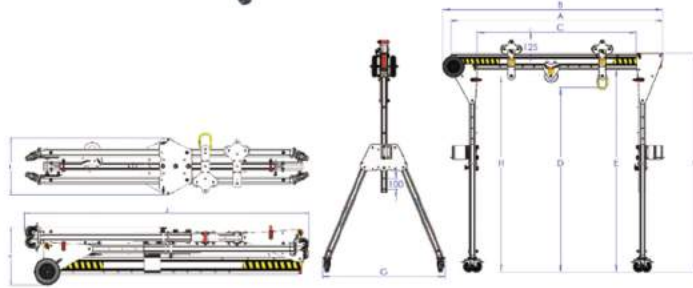
- Dual rated for goods and personnel lifting
- Goods rated up to WLL 500kg
- Designed to exceed EN795 Class B, OSHA,ANSI and CSAstandards.
- Personnel rated up to WLL 250kg
- Up to 3 X person fall arrest capability in a range of configurations
- Adaptable, multi purpose trolleys - goods & personnel lifting.
- 额定重量不超过500公斤的货物
- 设计超过EN795 B类、OSHA、ANSI和CSA标准。
- 人员最高可达250公斤
- 在一系列配置中最多可容纳3人的防坠能力
- 适应性强的多用途手推车-货物和人员搬运

采用带刹车的万向脚轮，方便定位

Load bearing, lockable castors for easy positioning.

当货物装载同时应用时，降低了坠落的风险

- Range of beam lengths and configurations available.
- Notified body approval: SGS UK(0120)
- Fall arrest capability reduced when goods load simultaneously applied
- ACOP- advises no gantry movement under load except where “competent person” has undertaken a suitable risk assessment method statement and deems appropriate
- 公告机构批准:SGS UK(0120)
- 货物同时装载时，防坠落能力下降
- ACOP- 除非“有能力的人”进行了适当的风险评估方法声明并认为合适，否则不建议龙门在负载下移动



● Size specification 尺寸规格

Model型号	Dimensions尺寸																Unit weight mm 单位重量
	Amm	Bmm	C min mm	C max mm	D min mm	D max mm	E min mm	E max mm	F min mm	F max mm	G mm	H min mm	H max mm	J mm	K mm	L mm	
TYGS20	2000	2076	1100	1500	1738	1938	1914	2114	2064	2264	1158	1850	2050	2190	415	440	33
TYGS23	2300	2376	1200	1800	1738	1938	1914	2114	2064	2264	1158	1850	2050	2376	415	440	34
TYGS40	4000	4076	2700	3500	1738	1938	1914	2114	2064	2264	1158	1850	2050	4076	415	440	40
TYGM20	2000	2076	1100	1500	1642	2042	1818	2218	1968	2368	1215	1755	2155	2076	415	440	34
TYGM23	2300	2376	1200	1800	1642	2042	1818	2218	1968	2368	1215	1755	2155	2376	415	440	34
TYGM40	4000	4076	2700	3500	1642	2042	1818	2218	1968	2368	1215	1755	2155	4076	415	440	40
TYGT20	2000	2076	1100	1500	1916	2816	2092	2992	2242	3142	1586	2028	2928	2631	415	440	38
TYGT23	2300	2376	1200	1800	1916	2816	2092	2992	2242	3142	1586	2028	2928	2631	415	440	39
TYGT40	4000	4076	2700	3500	1916	2816	2092	2992	2242	3142	1586	2028	2928	4076	415	440	44

● Technical Parameters性能参数表

Model型号	TYGS20		TYGS23, TYGM20, TYGM23		TYGS40, TYGM40, TYGT20, TYGT23, TYGT40	
	Weight(kg)重量	Quantity数量(人员)	Weight(kg)重量	Quantity数量(人员)	Weight(kg)重量	Quantity数量(人员)
Falling objects坠落物体	140	3	140	2	140	1
Person人员	250	3	200	2	125	1
object重物	500	N/A	400	N/A	250	N/A

Portable Gantry

便携式门吊

独特的便携式龙门系统，仅用4个螺栓手动装配，就能安全提升5000公斤。

Unique portable gantry system that can safely lift up to 5000kg with manual assembly on just 4 bolts.



● Features产品特点

轻巧便携，便于现场手工组装

- Lightweight & portable with easy on site manual assembly
- 4 portable parts assembled on just 4 bolts
- Simple “scissoring” assembly in just 4bolts
- 360°swivel-locking castors as standard for easy positioning
- All terrain & castors uneven ground options available
- Simple, manual height & span adjustment
- Ultra-safe, captive trolley
- 仅用4个螺栓即可把4个轻小的零件组合在一起
- 在2-3分钟内即可完成支腿的组装
- 360°旋转锁紧脚轮，定位方便
- 所有地形和凹凸不平的地面均可使用
- 操作简单，高度和跨度均可调整
- 非常安全，小车不会脱落

侧梁与支腿通过螺栓连接保证了整体的稳定性

Bolted structure, lateral beam and leg bracing features allow complete stability for any lifting challenge

耐腐蚀，易清洗，适用于电镀及洁净室等环境

Corrosion resistant, anodised finish-easily cleaned and suitable for “clean room” applications

整体的安全性已通过CE认证，按EN795 B类标准设计

Total safety-Notified Body Approval-type tested at UKAS accredited laboratories and audited quality systems. CE & EN795 Class B approved by notified body.

起升额定 载荷500kg-5000kg，具体可参考技术参数表

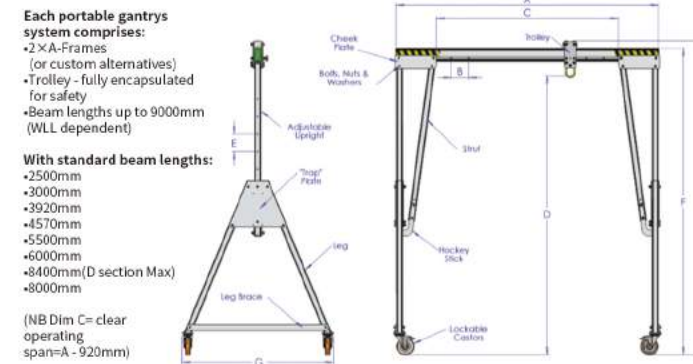
Flexible system configurations WLL 500 up to 5000kg safely-within manual handling guidelines.

多种尺寸S/M/I/T的标准配置，也可定制，组件均可互换

Variety of sizes- S,M,I,T standard configurations plus customisation where required, with interchangeable components (subject to WLL rating)

若需要非标定制，可与我司技术人员联系

Bespoke solutions for specific requirements.



● Size specification 尺寸规格

Technical data / dimensions (S) = Small (M) = Medium (I) = Intermediate (T) = Tall											
Capacity (kg)	Frame size	Maximum height to lifting eye D maxmm	Height increment E mm	Mm. height to lifting eye D min mm	Max. height to top of beam F max mm	Max. height to top of roller H max mm	Min. height to top of roller H minmm	Width G mm	A-Frame kg	Castorsize mm	
500	S	2355	5x150	1605	2675	2757	2007	1212	33	85x150	
	M	2851	5x150	2101	3171	3253	2503	1429	40	85x150	
	I	3188	5x200	2188	3499	3581	2581	1726	46	85x200	
	T	4079	6x200	2879	4399	4481	3281	2011	51	85x200	
1000	S	2355	5x150	1605	2675	2757	2007	1212	33	85x150	
	M	2851	5x150	2101	3171	3253	2503	1429	40	85x150	
	I	3188	5x200	2188	3499	3581	2581	1726	46	85x200	
	T	4079	6x200	2879	4399	4481	3281	2011	51	85x200	
2000	S	2355	5x150	1605	2675	2757	2007	1212	33	85x150	
	M	2851	5x150	2101	3171	3253	2503	1429	40	85x150	
	I	3188	5x200	2188	3499	3581	2581	1726	46	85x200	
	T	4079	6x200	2879	4399	4481	3281	2011	51	85x200	
3000	S	2410	5x150	1660	2730	2812	2062	1212	55	85x200	
	M	2906	5x150	2156	3226	3308	2558	1429	60	85x200	
	I	3185	5x200	2188	3499	3581	2581	1726	70	85x200	
	T	4079	6x200	2879	4399	4481	3281	2011	82	85x200	
5000	I	3181	5x200	2181	3592	3717	2717	1736	97*	125x200	
	T	4049	6x200	2849	4487	4612	3412	2021	106*	125x200	