

CE
ISO 9001

安全第一 | 专注 | 极致
VTL HOIST, Engineered for Strength...

重庆维大力起重设备有限公司
VTL HOIST CO., LTD.

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公司简介

COMPANY PROFILE

重庆维大力起重设备有限公司,其前身为杭州维大力起重工具有限公司,原公司于2000年成立于浙江省杭州市,公司于2012年整体搬迁至重庆市。杭州及重庆维大力均为重庆怡和物资(集团)有限公司的全资子公司,集团公司是十亿级的大型企业。维大力当前是中国最大的现代化环链手动葫芦生产企业之一,公司占地6万余平米,生产制造中心超过2.5万余平米。

维大力严格执行“6S”现场管理,通过了ISO9001质量体系认证,公司自身与供应配套企业全部达到国家环保要求,具备向国内外客户稳定供应产品的资质和能力。葫芦设计年产能50万台,合金钢起重链条两百万米,是行业内规模最大的企业之一。公司的葫芦产品种类丰富、吨位齐全、质量稳定,全部通过了德国莱茵公司的欧盟CE认证,广泛应用于建筑、船舶、石油、矿山、电力、物流、冶金、机械等行业。



VTL HOIST CO., LTD., formerly known as HANGZHOU VITALI LIFTING & TOOL CO., LTD., was established in 2000 in Hangzhou. The factory was relocated to Chongqing in 2012. Both factories are completely owned by Chongqing YIHE Materials (Group) Co., Ltd. The mother group has annual sales revenue exceeding 1 billion USD. VTL HOIST is one of the largest manual hoist manufacturers in China, occupying a land area over 60,000 s.q.m., including a physical manufacturing area over 25,000 s.q.m.

VTL HOIST strictly adheres to “6s” on-site management system and is ISO- 9001 certified. The company itself and its suppliers have national and local environmental approvals, and are capable of providing stable product supply to worldwide customers. The company possesses an annual manufacturing capacity of 500,000 hoists & 2,000,000 meters alloy steel load chain, ranked as one of the largest manufacturers in the industry. The company fabricates diversified hoists meeting different requirements of customers, covering a wide range of load capacities from 0.25 ton to 50 ton, and the product quality is proven to be stable in almost 20 years. All the hoist products are CE certified by TUV Rhineland of Germany. The products are widely used in construction, shipping, oiling, mining, electrical power, logistic, metallurgy...

维大力拥有高素质、专业化、经验丰富的员工队伍,出色的产品设计与开发能力享誉全球,公司具备持续创新能力,持有数十项中国、美国等国家专利,是全中国手动葫芦领域持有专利最多的企业,并可以为客户提供专业的产品定向开发以及生产定制服务。

维大力拥有行业内先进的产品生产、模具制造以及试验检测设备,各类常规、数控生产设备达180余套,其中包括美国 HAAS CNC 等先进的进口加工设备。冲压、编链等核心工模具全部自产,零配件自给率达到90%以上。公司自建有专业的产品测试中心,该中心集成化学分析、金相检测、拉力实验、硬度检查、盐雾环境试验等检测试验能力,并拥有三坐标测量仪等先进的产品开发检测设备。

维大力现正面向全球开展区域性战略合作,与客户达成供销同盟,提供贴牌生产和自主品牌代理合作模式,诚邀海内外客户来厂考察参观共商合作发展。

VTL HOIST has a professional and experienced staff team, earning a global reputation for excellent research and development capabilities. The company possesses significant innovation capabilities and has obtained the largest number of patents in China hoist industry, including dozens of granted patents in China & United States and over 10 pending patents.

VTL HOIST has state-of-the-art equipment, covering product manufacturing, tools fabricating and testing. Diversified traditional and numerical processing equipments add to more than 180 sets, including imported equipment, such as American HAAS CNC. The company fabricates core tools and modules in house, such as stamping & punching dies and chain knitting tools. Over 90% of the hoist components are produced in house. The company has also its own testing center, with hoist relevant chemical composition analysis, metallographic examination, pulling experiment, hardness checking, and environmental salt spray testing capabilities. The company has also 3D Measuring Instrument for new product development.

VTL HOIST is now establishing production-distribution alliance with customers all over the world, providing cooperation as OEM, ODM and self-owned “VTL” brand distribution. The Company sincerely invites both domestic & international customers to visit the factory and discuss partnership opportunities.

HD型风电电动葫芦采用高强度铝合金整体压铸外壳,体积小、重量轻,并设计有上、下限位装置。

Compact Design, Light Weight, Low Head Room

风电电动葫芦 Electric Hoist for wind power

箱体

采用高强度铝合金外壳
体积小、重量轻

COVER

Aluminum Alloy Material
Light Weight

重型复合插接头

安全可靠、性能稳定

Heavy duty conforming plug connector

Safe and reliable, stable performance

制动器

温度等级F(155° C)

防护等级IP55

BRAKE

Max. Working

Temperature 155C

挂链座

变单链为双链可增加一倍的
承载能力

Chain mount

Changing single fall to double
falls can double the loading capacity

操作手柄

强度高、耐碰撞,单手操作

轻巧方便, 防护等级IP65

Operating Handle

Robust Easy Operating Waterproof

Grade IP 65

限载装置

摩擦片采用不含石棉特殊材料, 温度变化时摩擦系数稳定

OVER LOAD PROTECTION DEVICE

Asbestos-free Friction Disc Stable Performance during
High Temperature

斜齿轮

采用高强度优质特殊材料, 传动平稳

精度高、噪音低

HELICAL GEAR

Superior Material

Stable Power Transmission

High Accuracy

Quiet Operation

电控板

采用高集成印刷线路板, 配有
CPU及可编程接口

ELECTRICAL CONTROL BOARD

with CPU & Programming Port

链盒

采用高强度PE-HD材料

CHAIN BOX

Made of High Strength PE-HD

线缆接头可选装直连式(图A)或重载连接器(图B)

Optional Power Cable Connector



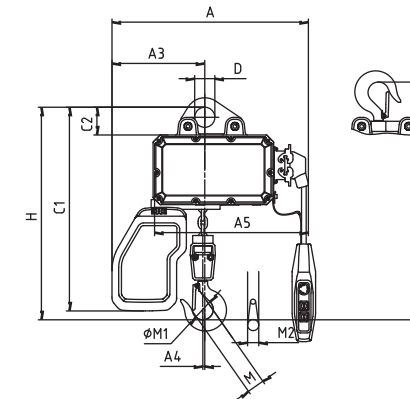
A



B

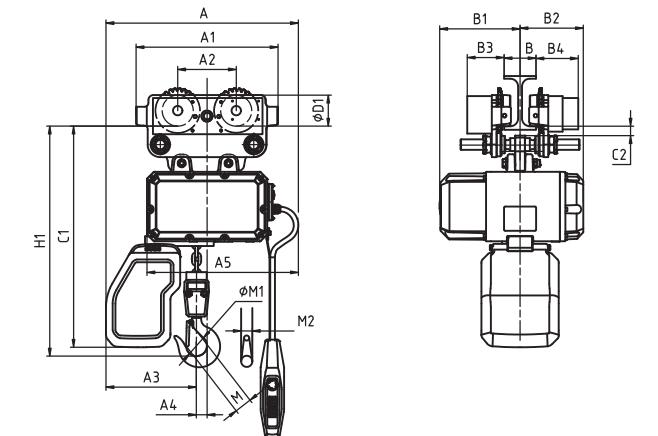
悬挂式(S)

Suspended Hoist



电动小车式(E)

Electric Trolley Hoist



规格	CAPACITY	(kg)	250/1	250/1	500/2	500/1	1000/2	600/1	800/1	1000/1	2000/2
额定电压	Nominal Voltage	(v)	(380)	(380)	(380)	(380)	(380)	(380)	(380)	(380)	(380)
电机额定功率	Rated Power	(kw)	0.36/0.09	0.75/0.19	0.36/0.09	0.75/0.19	0.75/0.19	1.9/0.45	1.9/0.45	1.9/0.45	1.9/0.45
起升速度	Lifting Speed	(m/min)	8/2	14/3.5	4/1	8/2	4/1	10/2.5	10/2.5	10/2.5	5/1.25
工作制度	Working Class	(FEN/ISO)	2m/M5	2m/M5	2m/M5	2m/M5	2m/M5	2m/M5	2m/M5	2m/M5	2m/M5
额定电流	Rated Current	(A)	1.1/0.65	1.9/1.5	1.1/0.65	1.9/1.5	1.9/1.5	4.8/3.0	4.8/3.0	4.8/3.0	4.8/3.0
链条规格	Load Chain	(mm)	5x15	5x15	5x15	5x15	5x15	6x18	7.1x21	7.1x21	7.1x21
葫芦净重 (起升高度3m)	Net Weight for 3m Lift	(kg)	25(S)/30(M)	26(S)/31(M)	28(S)/33(M)	26(S)/31(M)	29(S)/34(M)	45(S)/50(M)	46(S)/50(M)	46(S)/50(M)	52(S)/57(M)
起升高度 每米增重	Extra Weight for Lift +1m	(kg)	0.53	0.53	1.06	0.53	1.06	0.68	1.13	1.13	2.26
主要尺寸	Dimensions	A (mm)	440	440	440	440	440	501	501	501	501
		A1 (mm)	236	236	236	236	236	236	236	236	236
		A2 (mm)	118	118	118	118	118	118	118	118	118
		A3 (mm)	216	216	216	216	216	232	232	232	232
		A4 (mm)	25	25	25	25	25	5(S)/23(M)	5(S)/23(M)	5(S)/23(M)	5(S)/23(M)
		A5 (mm)	342	342	342	342	342	380	380	380	380
		B (mm)	74-122	74-122	74-122	74-122	74-122	74-122	74-122	74-122	74-122
		B1 (mm)	156	156	156	156	156	198	198	198	198
		B2 (mm)	168	168	168	168	168	162.1	162.1	162.1	162.1
		B3 (mm)	122	122	122	122	122	122	122	122	122
		B4 (mm)	122	122	122	122	122	122	122	122	122
		C1 (mm)	480(S)/546(M)	480(S)/546(M)	480(S)/546(M)	480(S)/546(M)	480(S)/546(M)	512(S)/580(M)	512(S)/580(M)	512(S)/580(M)	512(S)/580(M)
		C2 (mm)	59(S)/24(M)	59(S)/24(M)	59(S)/24(M)	59(S)/24(M)	59(S)/24(M)	77(S)/24(M)	77(S)/24(M)	77(S)/24(M)	77(S)/24(M)
		D (mm)	36	36	36	36	36	52	52	52	52
		D1 (mm)	66	66	66	66	66	66	66	66	66
		H (mm)	364	364	364	364	364	480	480	480	580
		H1 (mm)	428	428	428	428	468	537	537	537	640
		H3 (mm)	390	390	390	390	430	568	568	568	670
		M (mm)	23	23	23	23	32	32	32	32	40
		M1 (mm)	30	30	30	30	43	43	43	43	54
		M2 (mm)	16	16	16	16	29	29	29	29	36

注: 1. 起升速度和起升高度可根据用户要求定制。

Lifting height and speed could be customized

2. 500/1: 500代表葫芦载荷单位kg; 1代表链条行数, S表示悬挂式, E表示电动小车式。

500/1:500 refers to hoist loading unit kg, 1 refers to number of chain falls, S refers to suspended electric hoist, E refers to electric trolley hoist

3. 由于我公司产品不断更新, 有关数据改变恕不另行通知。

VTL progressively improve the products and reserves the right to alter the specifications without prior notice.



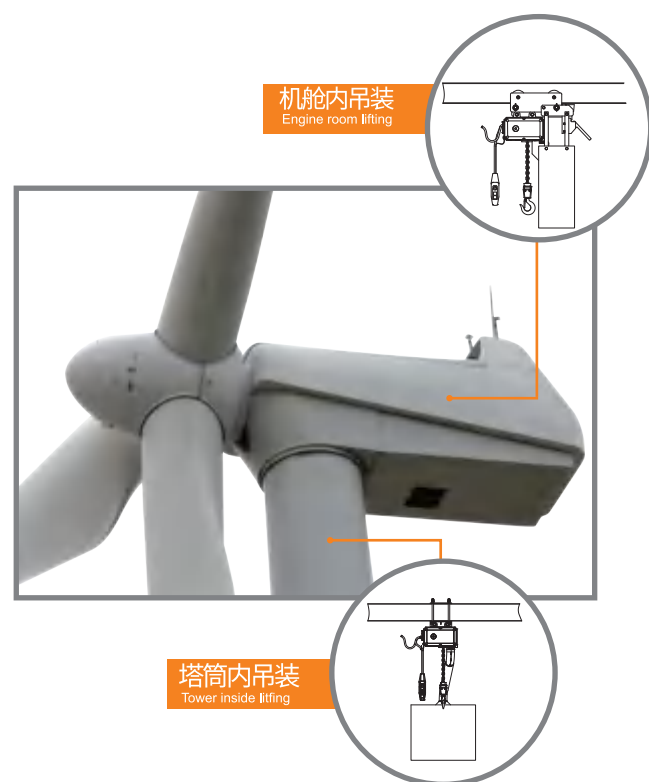
风电电动葫芦的特点

Features of the Wind power electric hoist

- 1 通过国家起重设备质量检测中心的检测鉴定,并取得欧洲CE认证。
National lifting equipment test center approved, and CE certified.
- 2 采用高强度铝合金整体压铸外壳,结构紧凑,体积小、重量轻、钩间距小,并设计有上、下限位装置。
It adopts high-strength aluminum alloy die-casting shell, compact structure, small volume, light weight, low head-room, and is designed with upper and lower limit devices.
- 3 该机倒装可以作为舞台用电动葫芦,本机主要用于风电以及自动化生产线的吊装。
This hoist could be used as stage hoist, and mainly used in wind power and automatic production line.
- 4 提升高度可达160米,速度10/2.5m/min可在-40°C-100°C的环境进行工作。
Maximum lifting height 160 meters, and speed 2.5/10m/min, and available in temperature-40°C-100°C.
- 5 链条采用特殊的防腐工艺处理,耐盐、耐腐蚀
Special treatment for the load chain with corrosion resistance
- 6 操作手柄采用低压控制 24V(安全电压)
Low Voltage controlled operating handle 24V(Safety Voltage)
- 7 可选配无线遥控装置,实现无线遥控功能。
Wireless remote control device can be optional to realize the function of wireless remote control.

简介

Introduction



双速电机内置于减速箱内、体积小,电机是高效节能结构,整机能效高,可达到63%以上,内置温控开关温度到135°C时自动停机。

Dual speed motor is built in the reduction box with small volume. The motor is an efficient and energy-saving structure. High function efficiency with up to more than 63%. Built-in temperature control switch, automatic shutdown when the temperature reaches 135°C



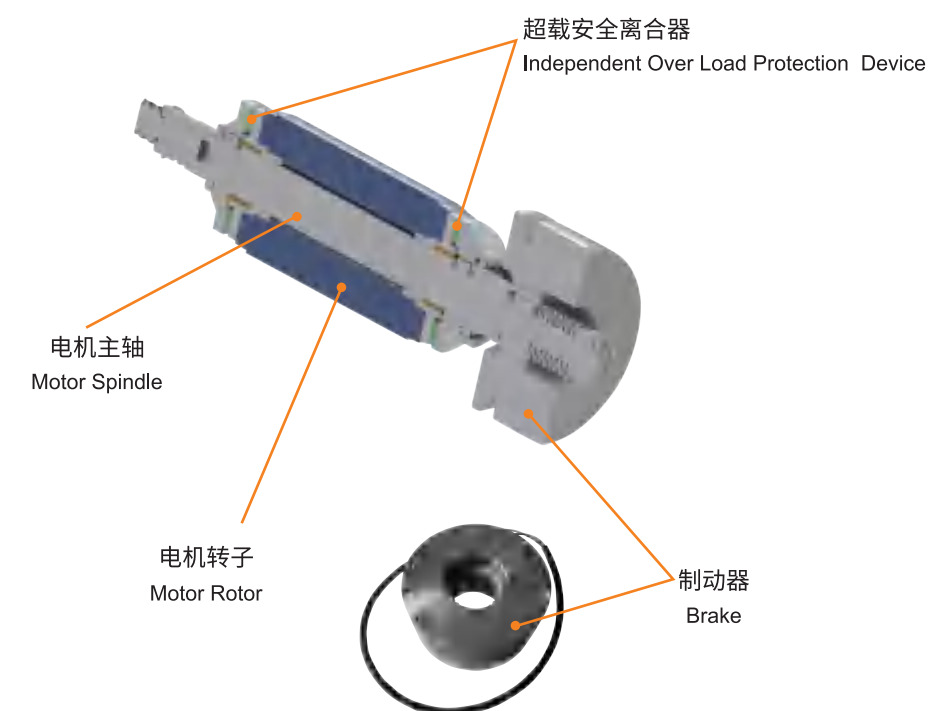
本机电控系统采用高集成印制电路板,标准配置为双速,体积小,并配有CPU及可编程接口;也可选装变频器无级调速控制,控制手电门采用低压安全控制和超载自动断电功能。

The electric control system adopts high integrated printed circuit board. The standard configuration is dual speed, small volume, and equipped with CPU and programmable interface; Frequency converter stepless speed regulation control can also be selected, The control flashlight adopts low-voltage safety control and overload automatic power-off function.



齿轮采用优质特殊材料,高精度斜齿传动,工作安静,传动平稳,承载力大,寿命长、噪音低。

The gear is made of high-quality special materials, high-precision helical gear transmission and quiet operation, stable transmission, large bearing capacity, long service life and low noise.



高强度手拉葫芦
Basic Hand Chain Hoist

主要特征
Typical Features

01. 结构紧凑、钩间距小 - 使用空间广泛
Compact Design, Low Headroom - Wide Usage

02. 高精度机加工齿轮
High Precision CNC Gears

03. 齿轮箱耐冲击罩壳保护
Impact Resistance Gear Cover

04. 起重链轮带高强度轴承
High Endurance Rollers on Load Sprocket

05. 双棘爪刹车系统
Double Pawl Brake System

06. 刹车系统棘轮罩壳防护
Dust Cover on Brake System

07. 工程优化手链轮罩壳 - 高速操作不卡链
Engineering Optimized Hand Chain Wheel Cover
- Preventing Hand Chain Stack in Fast Operation

08. 双高精度机加工导链轮
High Precision Double CNC Load Chain Guides

09. 镀锌支撑杆、墙板及起重链导链机构
Zinc Plated Stay Bolts, Side Plates & Load Chain Guides

10. 高强度 - 葫芦寿命超过 1500 次欧盟标准疲劳测试
Robust - Higher than 1500 cycles EN 13157 Endurance Testing

其他标准配置
Other Standard Setting

01. ISO 16877 标准 T(80) 级合金起重链条
ISO 16877 Grade T(80) Load Chain

02. 发黑起重链条
Black Tempered Load Chain

03. 镀锌手拉链条
Zinc Plated Hand Chain

04. 镀锌冲压卡索板
Zinc Plated Steel Safety Latch

可选配置
Optional Setting

01. 4整体轴承高阶升级版
4Caged Bearings Premium Upgrading

02. 下钩架平面轴承
Thrust Bearings on Bottom Hook

03. 镀锌起重链条
Zinc Plated Load Chain

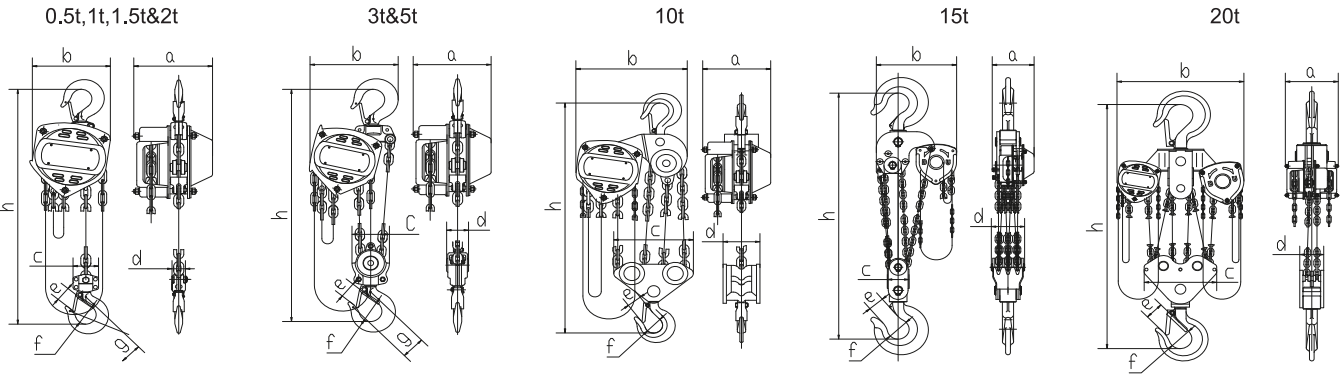
04. 限制保护装置
Over Load Protection (OLP)
Direct Shifting to non-OLP Version

05. 齿轮箱罩壳外形选配 A 型
Type-A Gear Cover Appearance Option

06. 高精度整体轴承
High Precision Caged Roller Bearings

07. 镀锌铸造卡索板
Zinc Plated Cast Safety Latch

参数表
Specifications



吨位	Capacity	(tonnes)	0.25	0.5	1	1.5	2	2	3	5	10	15	20
订购编号	Purchasing Ref.		VB025	VB050	VB100	VB150	VB20S	VB200	VB300	VB500	VB1000	VB1500	VB2000
起重链行数	No. of Falls		1	1	1	1	2	1	2	2	4	6	8
起重链规格	Load Chain	(mm)	4 x 12	5 x 15	6 x 18	8 x 24	6 x 18	8 x 24	8 x 24	10 x 30	10 x 30	10 x 30	10 x 30
满载手拉力	Pull to Rated Load	(N)	200	240	370	490	425	440	490	510	470	470	470x2
试验载荷	Proof Load	(tonnes)	0.38	0.75	1.5	2.25	3.0	3.0	4.5	7.5	15	22.5	30
手拉链规格	Hand Chain	(mm)	3 x 15 x 10.5										
标准起升高度	Standard Lift	(m)	3	3	3	3	3	3	3	3	5	5	5
净重	Net Weight	(kg)	4.35	7.8	11.1	15.8	15.14	16.8	24.2	39.8	89.7	91.1	197
起重链每米增重	Extra Wt. per m	(kg)	0.37	1.38	1.62	2.23	3.24	2.23	3.62	5.18	9.52	13.86	19.03
主要尺寸	Dimensions	a (mm)	102	125	134	151	134	157	157	180	180	210	225
		b (mm)	106	130	155	173	185	185	235	262	365	406	550
		c (mm)	29.5	43	51	64	80	64	100	126	260	110	286
		d (mm)	21	25	30	34	55	34	56	74	98	168	123
		e (mm)	27	27	33	33.5	37	37	43.5	51	64	80	82
		f (mm)	32	32	40	42	46	46	52	60	85	100	110
		g (mm)	35	35	45	47	52	52	62.5	79	-	-	-
		h (mm)	250	280	306	368	450	445	520	600	760	1,000	1,150