

BRIMA



BMS SERIES
EUROPEAN ELECTRIC
CHAIN HOIST

 www.brimahoist.com

BRIMA

BRIMA (ENGLAND) HOIST & CRANE LTD



BRIMA (ENGLAND) HOIST & CRANE LTD



Multi-product + Advanced Technology + System Solution

BRIMA sets high quality products and advanced technology in one, in addition to the lifting industry experts and experience. A wealth of engineers; It also offers a wide range of products and safe and reliable system solutions. And to best serve our customers.

Higher Performance & Faster



- ▶ BMS european electric chain hoist with high performance,high safety reliability advantages,Using use humanized design concept to increase your productivity and make the work to achieve the highest efficiency



- ▶ Professional chain guide design
- ▶ More smooth and efficient operation
- ▶ Chain wear less

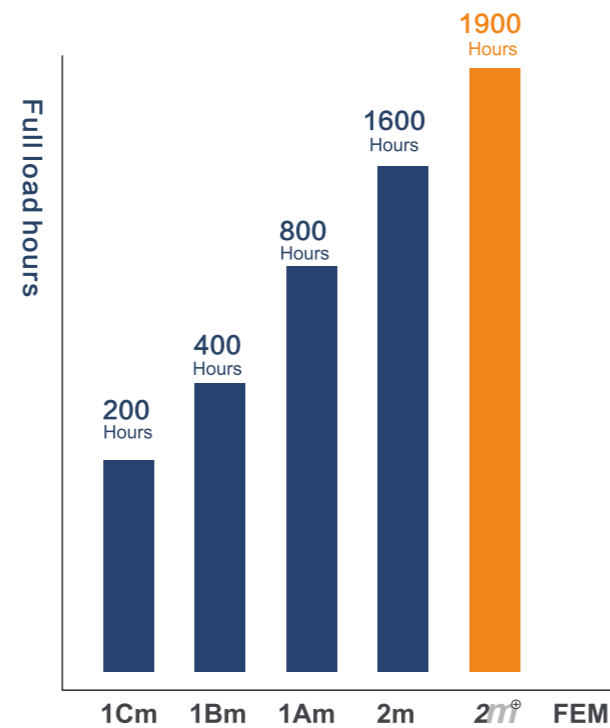
Sensitive and Fast

Longer service life for greater efficiency

- ▶ BMS european electric chain hoist with flexible action,positioning accuracy. Load started up quickly and efficiently speed,low speed hoisting load smoothly,accurate positioning.

Longer service life for greater efficiency

- ▶ In practical terms, BMS european electric chain service life is extended by approx.20%in comparison with the conventional 2m classification for chain hoists FEM rating .This results in significantly prolonged time between service intervals and general overhauls. This extra operating life is only offered by BMS european electric chain.

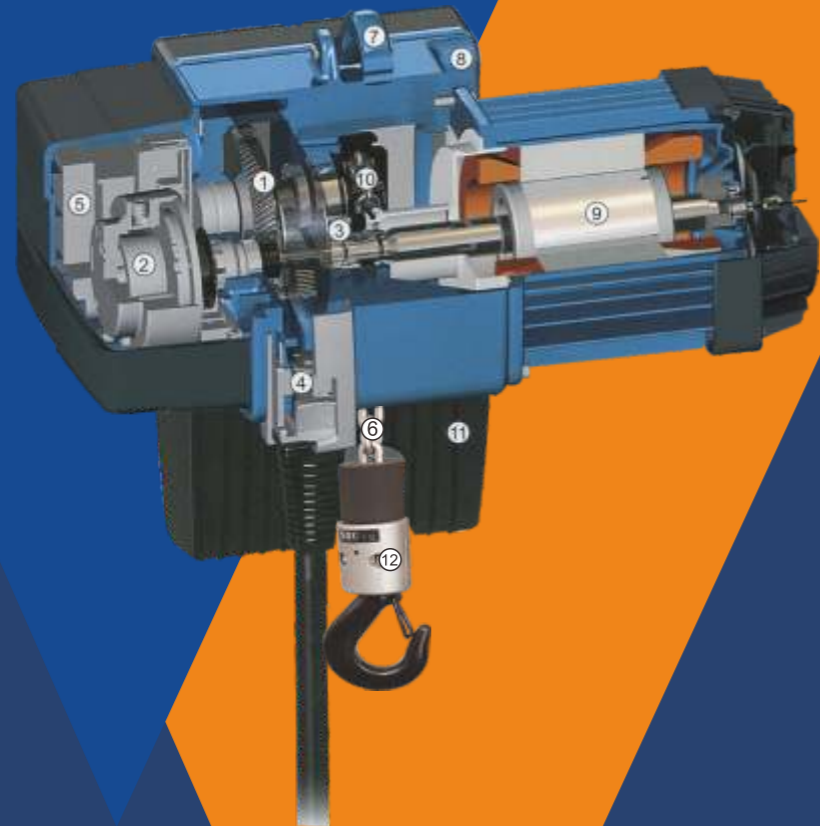


▲ Chain Guide

Maintenance: Fast And Simple

- ▶ BMS european electric chain hoist,all main drive components,such as gear box,brake and clutch made by a special process,and durable,BMS series brake have 5 years free maintenance, BRIMA hoist still has a long working life with high quality even in busy work.
- ▶ Because BMS european electric chain is designed by excellent service idea and necessary maintenance work.can quickly & simply finished works.
- ▶ The chain drive of BMS european electric chain is designed as a compact unit which is slid into place and can be replaced in a minimum of time without the need to disassemble motor or gearbox parts.Long downtimes as a result of maintenance work are now a thing of the past.

Tailored Solutions



► BMS european electric chain hoist has been certified by the relevant national authority. Protection class of hoist motor, electric chain hoist and traveling motor device are all IP55, push button control is with excellent moistureproof dustproof, IP65.

1

Gearbox---Maintenance-free, working-level for M6. BMS european electric chain with a rated service life of 1990 full load hours. In practical terms, this means the service life is extended by approx. 20%. the helical gearing inside the gearbox also reduces operating noise and provide smooth operation.

2

Brake---Maintenance-free, because of minimum wear, adjustment is not necessary. The brake is enclosed in the electrical panel and provides double protection from the elements.

3

Slip clutch---Maintenance-free. Integrated behind the brake in the power drive, it provides reliable protection against overload. Integrated slip clutch monitoring prevents permanent damage to the slip clutch.

4

Height adjustable control pendant cable---The length of the control cable. Therefore, the suspension height of the control pendant can be infinitely varied for a hook path range of 2-5m and 5-8m. The excess control cable is accommodated behind the service cover.



5

Control---24V contactor control, operating limit switches (upper/lower).

6

Steel chain---A special BRIMA chain of high-strength. Hardened age-resistant material. Galvanized and other surface-treatments are available to protect against specific hostile environments.

7

Suspension bracket---BMS hoists are supplied with short and long suspension brackets as standard and can always be attached to the super-structure with the optimal connection.

8

Housing---Robust and lightweight die-cast aluminium housing of compact and modern industrial design. Automotive paint, to provide more long-term protection.



9

Hoist motor---High-performance motor with large safety reserves even at high ambient temperatures and in prolonged operation. Using 2 hoist speed with 1:4 speed ratio and frequency Control to multi-speed requirements.

10

Chain guide---The unit is a complete assembly consisting of the chain and chain guide which facilitates quick and easy replacement of the entire chain drive without having to remove the motor or gear parts. Downtime can therefore be reduced significantly. The chain drive consists of highly wear-resistant materials for long service life.

11

Chain collector box---Suspended from a pivoting connection, is made of tough, flexible and particularly impact-resistant plastic; capacity for up to 8m hook path. A flexible chain container for chain lengths up to 40m as well as special lengths up to 120m.

12

Bottom block---Comfortable hook device by hand. For improved ergonomic handling of the hook. The hook after forging processing to make great-strength, hooks rotate by 360 degrees, a specially designed safety tongue, to ensure safe operation.



EUROPEAN ELECTRIC CHAIN HOIST WITH HOOK TYPE



▶ **Basic characteristics**

BMS european electric chain hoist can be installed to the KBK orbit of standard components

▶ **Easy test**

All electrical connection to plug in, plug and play universal suspension mechanism,both can used for KBK standard track and can be connected to trolley quickly

▶ **Humanized design**

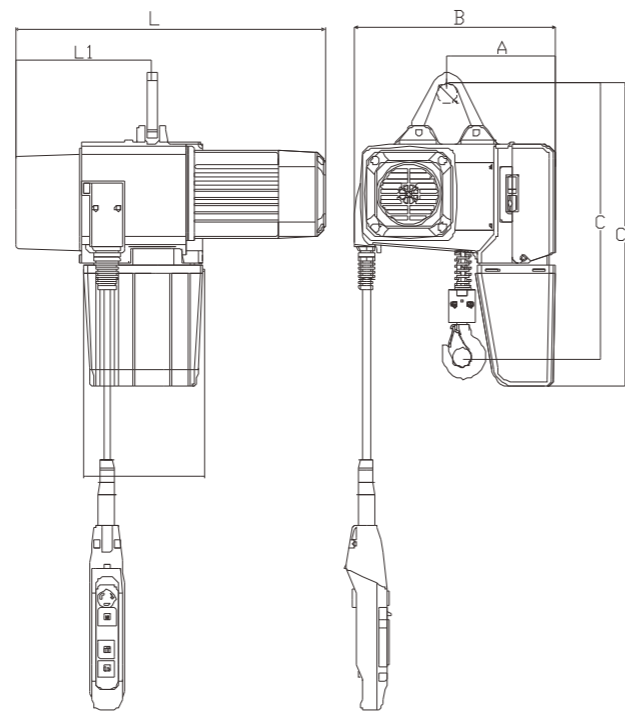
Control cable length can be adjusted,control pendant always in the most appropriate location.
Control pendant is humanized design,grip feels comfortable,avoid operation fatigue

▶ **Unified maintenance test back cover**

Can be used for electric plug,Control pendant can be high adjusted, the chain lubrication,without having to remove other components, fastly replace chain guide,and reduce downtime

▶ **Standard double speed motor,higher working efficiency**
24V control voldage is more safe

Technical Parameters



Model	(KG)	(m/min)	(Kw)	(r/min)	(V)	(V)	(FEM/ISO)
BMS0.125-01M	125	8/2	0.4/0.1	2880/720	220-460	24	2M/M5
BMS0.125-01M	125	13/3.2	0.75/0.2	2880/720	220-460	24	2M/M5
BMS0.25-01M	250	8/2	0.4/0.1	2880/720	220-460	24	2M/M5
BMS0.5-01M	500	8/2	0.75/0.2	2880/720	220-460	24	2M/M5
BMS0.5-01M	500	12/3	1.5/0.37	2880/720	220-460	24	2M/M5
BMS0.5-02M	500	4/1	0.4/0.1	2880/720	220-460	24	2M/M5
BMS01-01M	1000	8/2	1.5/0.37	2880/720	220-460	24	2M/M5
BMS01-01M	1000	6/1.5	1.5/0.37	2880/720	220-460	24	2M/M5
BMS01-02M	1000	4/1	0.75/0.2	2880/720	220-460	24	2M/M5
BMS02-02M	2000	4/1	1.5/0.37	2880/720	220-460	24	2M/M5
BMS02-02M	2000	3/0.75	1.5/0.37	2880/720	220-460	24	2M/M5

Model	L	L1	A	B	C	C1
BMS0.125-01M	440	194	160	288	400	425
BMS0.125-01M	464	197	170	315	420	450
BMS0.25-01M	440	194	160	288	400	425
BMS0.5-01M	464	197	170	315	420	450
BMS0.5-01M	548	260	182	343	560	640
BMS0.5-02M	440	194	160	288	470	425
BMS01-01M	548	260	182	343	560	640
BMS01-02M	464	197	170	315	490	450
BMS02-02M	548	260	182	343	630	640

EUROPEAN ELECTRIC CHAIN HOIST WITH MANUAL TROLLEY



▶ **Basic characteristics**

BMS european electric chain hoist can be installed to the KBK orbit of standard components

▶ **Easy test**

All electrical connection to plug in, plug and play universal suspension mechanism, both can used for KBK standard track and can be connected to trolley quickly

▶ **Humanized design**

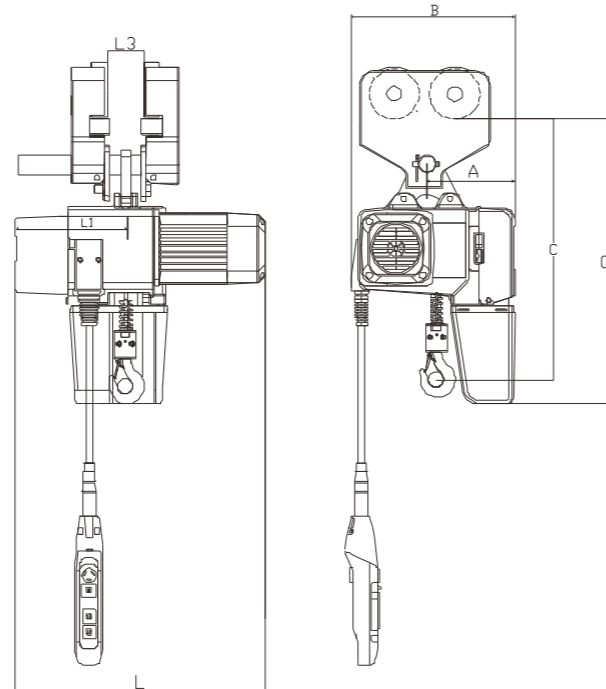
Control cable length can be adjusted, control pendant always in the most appropriate location.
Control pendant is humanized design, grip feels comfortable, avoid operation fatigue

▶ **Unified maintenance test back cover**

Can be used for electric plug, Control pendant can be high adjusted, the chain lubrication, without having to remove other components, fastly replace chain guide, and reduce downtime

▶ **Standard double speed motor, higher working efficiency**
24V control voltage is more safe

Technical Parameters



Model	(KG)	(m/min)	(Kw)	(r/min)	(V)	(V)	(FEM/ISO)
BMS0.125-01M	125	8/2	0.4/0.1	2880/720	220-460	24	2M/M5
BMS0.125-01M	125	13/3.2	0.75/0.2	2880/720	220-460	24	2M/M5
BMS0.25-01M	250	8/2	0.4/0.1	2880/720	220-460	24	2M/M5
BMS0.5-01M	500	8/2	0.75/0.2	2880/720	220-460	24	2M/M5
BMS0.5-01M	500	12/3	1.5/0.37	2880/720	220-460	24	2M/M5
BMS0.5-02M	500	4/1	0.4/0.1	2880/720	220-460	24	2M/M5
BMS01-01M	1000	8/2	1.5/0.37	2880/720	220-460	24	2M/M5
BMS01-01M	1000	6/1.5	1.5/0.37	2880/720	220-460	24	2M/M5
BMS01-02M	1000	4/1	0.75/0.2	2880/720	220-460	24	2M/M5
BMS02-02M	2000	4/1	1.5/0.37	2880/720	220-460	24	2M/M5
BMS02-02M	2000	3/0.75	1.5/0.37	2880/720	220-460	24	2M/M5

Model	L	L1	L3	A	B	C	C1
BMS0.125-01M	440	194	100-200	160	288	470	470
BMS0.125-01M	464	197	100-200	170	315	490	495
BMS0.25-01M	440	194	100-200	160	288	470	470
BMS0.5-01M	464	197	100-200	170	315	490	495
BMS0.5-01M	548	260	100-200	182	343	600	680
BMS0.5-02M	440	194	100-200	160	288	540	470
BMS01-01M	548	260	100-200	182	343	600	680
BMS01-02M	464	197	100-200	170	315	560	495
BMS02-02M	548	260	100-200	182	343	670	690

EUROPEAN ELECTRIC CHAIN HOIST WITH ELECTRIC TROLLEY



► **Basic characteristics**

BMS european electric chain hoist can be installed to the KBK orbit of standard components



► **Easy test**

All electrical connection to plug in, plug and play universal suspension mechanism,both can used for KBK standard track and can be connected to trolley quickly



► **Humanized design**

Control cable length can be adjusted,control pendant always in the most appropriate location.
Control pendant is humanized design,grip feels comfortable,avoid operation fatigue



► **Unified maintenance test back cover**

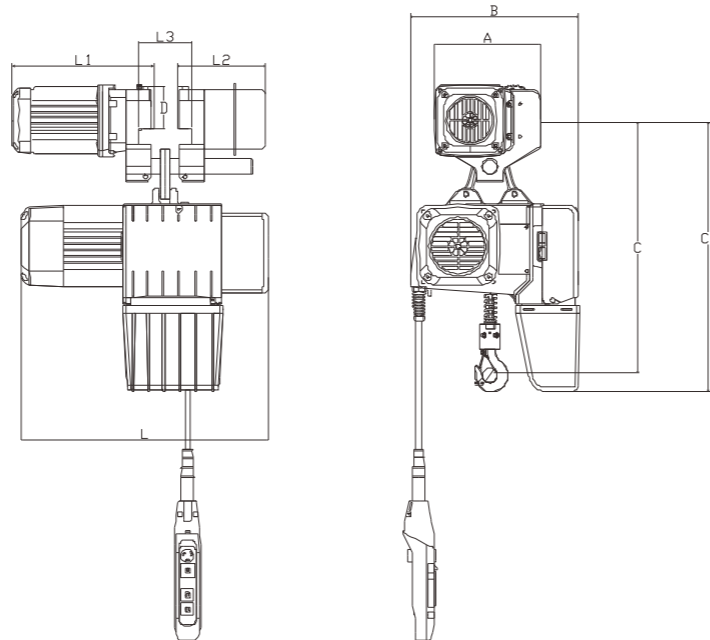
Can be used for electric plug,Control pendant can be high adjusted, the chain lubrication,without having to remove other components, fastly replace chain guide,and reduce downtime



► **Standard double speed motor,higher working efficiency**
24V control voldage is more safe



Technical Parameters



型号 Model	载重量 (KG)	起升速度 (m/min)	电机功率 (Kw)	电机转速 (r/min)	工作电压 (V)	控制电压 (V)	工作级别 (FEM/ISO)
BMS0.125-01M	125	8/2	0.4/0.1	2880/720	220-460	24	2M/M5
BMS0.125-01M	125	13/3.2	0.75/0.2	2880/720	220-460	24	2M/M5
BMS0.25-01M	250	8/2	0.4/0.1	2880/720	220-460	24	2M/M5
BMS0.5-01M	500	8/2	0.75/0.2	2880/720	220-460	24	2M/M5
BMS0.5-01M	500	12/3	1.5/0.37	2880/720	220-460	24	2M/M5
BMS0.5-02M	500	4/1	0.4/0.1	2880/720	220-460	24	2M/M5
BMS01-01M	1000	8/2	1.5/0.37	2880/720	220-460	24	2M/M5
BMS01-01M	1000	6/1.5	1.5/0.37	2880/720	220-460	24	2M/M5
BMS01-02M	1000	4/1	0.75/0.2	2880/720	220-460	24	2M/M5
BMS02-02M	2000	4/1	1.5/0.37	2880/720	220-460	24	2M/M5
BMS02-02M	2000	3/0.75	1.5/0.37	2880/720	220-460	24	2M/M5

型号 Model	L	L1	L2	L3	A	B	C	C1
BMS0.125-01M	440	260	164	100-200	201	288	470	470
BMS0.125-01M	464	260	164	100-200	201	315	490	495
BMS0.25-01M	440	260	164	100-200	201	288	470	470
BMS0.5-01M	464	260	164	100-200	201	315	490	495
BMS0.5-01M	548	290	190	100-200	340	315	600	680
BMS0.5-02M	440	260	164	100-200	201	288	540	470
BMS01-01M	548	305	190	100-200	340	343	600	680
BMS01-02M	464	260	164	100-200	315	315	560	495
BMS02-02M	548	290	200	100-200	340	343	670	690

**EUROPEAN LOW
HEADROOM TYPE
ELECTRIC CHAIN HOIST**

欧式电动环链葫芦 (低净空式)



▶ **Basic characteristics**

BMS european electric chain hoist can be installed to the KBK orbit of standard components

▶ **Easy test**

All electrical connection to plug in, plug and play universal suspension mechanism, both can be used for KBK standard track and can be connected to trolley quickly

▶ **Humanized design**

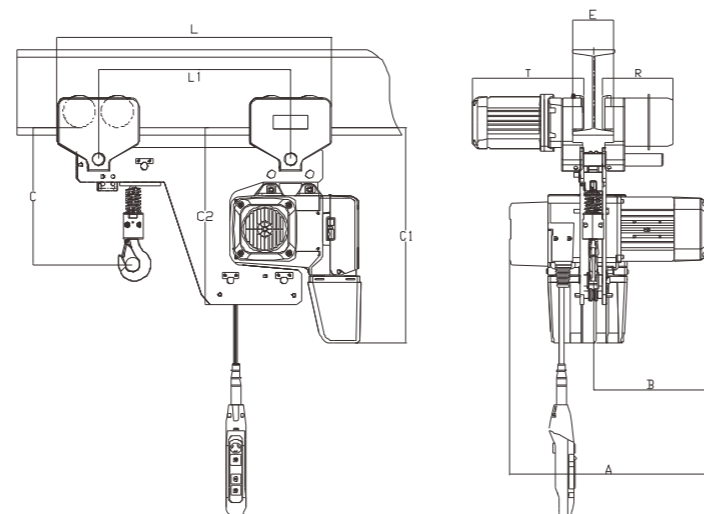
Control cable length can be adjusted, control pendant always in the most appropriate location.
Control pendant is humanized design, grip feels comfortable, avoid operation fatigue

▶ **Unified maintenance test back cover**

Can be used for electric plug, Control pendant can be high adjusted, the chain lubrication, without having to remove other components, fastly replace chain guide, and reduce downtime

▶ **Standard double speed motor, higher working efficiency**
24V control voltage is more safe

Technical Parameters



Model	(KG)	(m/min)	(Kw)	(r/min)	(V)	(V)	(FEM/ISO)
BMS0.125-01M	125	8/2	0.75/0.2	2880/720	220-460	24	2M/M5
BMS0.125-01M	125	13/3.2	0.75/0.2	2880/720	220-460	24	2M/M5
BMS0.25-01M	250	8/2	0.75/0.2	2880/720	220-460	24	2M/M5
BMS0.5-01M	500	8/2	0.75/0.2	2880/720	220-460	24	2M/M5
BMS0.5-01M	500	12/3	1.5/0.37	2880/720	220-460	24	2M/M5
BMS0.5-02M	500	4/1	0.75/0.2	2880/720	220-460	24	2M/M5
BMS01-01M	1000	8/2	1.5/0.37	2880/720	220-460	24	2M/M5
BMS01-02M	1000	4/1	0.75/0.2	2880/720	220-460	24	2M/M5
BMS02-02M	2000	4/1	1.5/0.37	2880/720	220-460	24	2M/M5

型号 Model	L	L1	C	C1	C2	A	B	T	E	R
BMS0.125-01M	645	454	330	510	415	464	267	260	100-200	164
BMS0.125-01M	645	454	330	510	415	464	267	260	100-200	164
BMS0.25-01M	645	454	330	510	415	464	267	260	100-200	164
BMS0.5-01M	645	454	330	510	415	464	267	260	100-200	164
BMS0.5-02M	645	454	410	510	415	464	267	260	100-200	164
BMS01-01M	900	548	350	680	630	548	305	290	100-200	190
BMS01-02M	645	454	410	510	415	464	267	260	100-200	164
BMS02-02M	900	548	510	690	630	548	305	290	100-200	190

EUROPEAN ELECTRIC CHAIN HOIST (DOUBLE HOOK)

► **Basic characteristics**

BMS european electric chain hoist can be installed to the KBK orbit of standard components

► **Easy test**

All electrical connection to plug in, plug and play universal suspension mechanism,both can used for KBK standard track and can be connected to trolley quickly

► **Humanized design**

Control cable length can be adjusted,control pendant always in the most appropriate location.

Control pendant is humanized design,grip feels comfortable,avoid operation fatigue

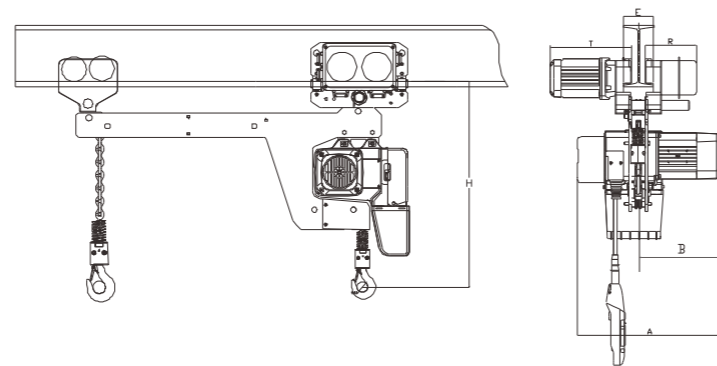
► **Unified maintenance test back cover**

Can be used for electric plug,Control pendant can be high adjusted, the chain lubrication,without having to remove other components, fastly replace chain guide,and reduce downtime

► **Standard double speed motor,higher working efficiency**
24V control voldage is more safe



Technical Parameters



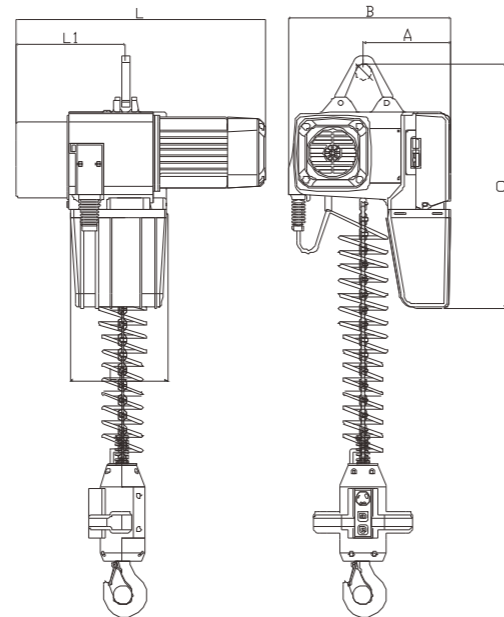
Model	(KG)	(m/min)	(Kw)	(r/min)	(V)	(V)	(FEM/ISO)
BMS0.125-01M	125	8/2	0.75/0.2	2880/720	220-460	24	2M/M5
BMS0.25-01M	250	8/2	0.75/0.2	2880/720	220-460	24	2M/M5
BMS0.5-01M	500	8/2	0.75/0.2	2880/720	220-460	24	2M/M5
BMS0.5-02M	500	4/1	0.75/0.2	2880/720	220-460	24	2M/M5
BMS01-01M	1000	8/2	1.5/0.37	2880/720	220-460	24	2M/M5
BMS01-02M	1000	4/1	0.75/0.2	2880/720	220-460	24	2M/M5
BMS02-02M	2000	4/1	1.5/0.37	2880/720	220-460	24	2M/M5

Model	A	B	T	E	R	H
BMS0.125-01M	464	267	260	100-200	164	664
BMS0.25-01M	464	267	260	100-200	164	664
BMS0.5-01M	464	267	260	100-200	164	664
BMS0.5-02M	464	267	260	100-200	164	730
BMS01-01M	548	305	290	100-200	190	690
BMS01-02M	464	267	260	100-200	164	730
BMS02-02M	548	305	290	100-200	190	820

EUROPEAN ELECTRIC CHAIN HOIST (HAND CONTROL)



Technical Parameters



Model	(KG)	(m/min)	(Kw)	(r/min)	(V)	(V)	(FEM/ISO)
BMS0.125-01M	125	8/2	0.4/0.1	2880/720	220-460	24	2M/M5
BMS0.125-01M	125	13/3.2	0.75/0.2	2880/720	220-460	24	2M/M5
BMS0.25-01M	250	8/2	0.4/0.1	2880/720	220-460	24	2M/M5
BMS0.5-01M	500	8/2	0.75/0.2	2880/720	220-460	24	2M/M5
BMS01-01M	1000	8/2	1.5/0.37	2880/720	220-460	24	2M/M5

型号 Model	L	L1	A	B	C1
BMS0.125-01M	440	194	160	288	425
BMS0.125-01M	464	197	170	315	450
BMS0.25-01M	440	194	160	288	425
BMS0.5-01M	464	197	170	315	450
BMS01-01M	548	260	182	343	640

与BRIMA工位起重机结合在一起
使用的智能型提升装置

采用智能型提升装置的 BRIMA B-Lift系列

在选择提升装置时，若对其提升能力、精度和速度均有要求，请使用BRIMA公司的专利产品：B-Lift系列智能型提升装置。该装置较电动葫芦具有更精准的定位、较气动葫芦具有更强的响应能力。我公司采用BRIMA装置的梁式起重机在提高安全性、生产率和质量的同时，也会从根本上为您带来直接的利润增长。

安全、快速，人性化设计的单手操作

- ▶ 更高的起重量：可实现75、150、300、及600公斤的起重量
- ▶ 更快的速度：最大速度 可达200英尺/分钟（61米/分钟）
- ▶ 更强的响应能力：加速及减速更快捷
- ▶ 使用一台B-Lift设备即可覆盖多个工作单元
- ▶ 可覆盖更大面积的单个工作区

应用

- ▶ 自动装配（发动机、变速器、底盘组件）
- ▶ 重型设备制造
- ▶ 工具与模具更换
- ▶ 天然气与石油工业（阀门、钻孔部件等）
- ▶ 重复性提升作业
- ▶ 部件组装
- ▶ 机械加工
- ▶ 工艺设备维修

实际应用中的BRIMA设备: 汽车制造

▶ 终端用户：

汽车零部件制造商

▶ 应用：

尺寸为1.2m x 1.8m、重量为90kg的敞篷汽车车顶正从运输带上运至托盘车上进行检查，然后运离。

▶ 使用BRIMA的理由：

他们以往一直使用一种两档电动环链葫芦，其最大速度为4.8米/分钟。“工人们使用这种电动环链葫芦卸产品的速度跟不上装配线的运行速度，”生产线管理员说道。BRIMA M系列产品具有高达61米/分钟的提升速度，能够以操作人员所能跟进的速度运行，并能实现对其载荷的完全控制。

▶ 结论：

操作人员作业的速度以及搬运产品的频率都得到了极大的提高。工人们始终能够跟上装配线每小时22件产品的吞吐量运行的速度。

B-Lift系列手柄配置选项

BRIMA在设计上提供了灵活的手柄配置。可从以下四项配置中选择最适合您实际应用的配置。



▶ 同轴滑动手柄

同轴滑动手柄允许操作人员靠近载荷以便进行更为精确的控制。使用该款手柄时，载荷随着操作人员手的动作而移动。



▶ 远程安装式滑动手柄

该配置提供了与滑动手柄相同的平稳控制，但操作者无法靠近载荷。



▶ 悬挂式按键手柄

该手柄适用于上空间有限、且操作人员无法靠近载荷或是操作人员需要实现最大的提升行程的场合。该款手柄同样适用于载荷物在提升过程中有可能弹起或倾斜的场合。



▶ 远程安装式按键手柄

该款手柄适用于手柄安装位置距离缆绳连接作业机械的位置超过0.3米的场合，或者是载荷物在提升过程中有可能弹起或倾斜的场合。

BRIMA
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创新性手柄设计

1. 旋转组件

我公司生产的BRIMA智能提升装置配备一组集成式集电器/空气转环，改转环下端的手柄及负载可以连续360度的转动而不损坏上端的螺旋线缆或空气软管（选配）。该组件适用于操作人员需要不断旋转手柄或负载的应用场合。

2. 液晶显示器

手柄上的背光式显示器允许对虚拟限位及减速点等特性参数进行菜单设置。此外还可显示有用的信息，如运行模式，负重读数、诊断信息及错误代码等。

3. 操作人员到位功能

我公司生产的智能型提升装置的手柄握把使用了内置的光电传感器，使手柄操作更为安全和灵敏。操作人员的手部无须按压任何按键即可由该传感器感应到其接触。由于操作人员不必冒险将该操作人员到位传感器的安全特性作为启动/停止控制器来使用，因而可实现安全、顺利的提升操作。

4. 人性化的手柄设计

我们在设计手柄过程中在考虑其耐用性的同时，也充分考虑到了操作人员的舒适性。其外形、尺寸及用料均精心设计以便与操作人员的手部线条相吻合，其带有花纹的橡胶套可确保抓握牢靠。

MEMORANDUM / 备忘录



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