

Kyra

STAGE ELECTRIC HOIST

Kyra 系列舞台电动葫芦

D8
Plus

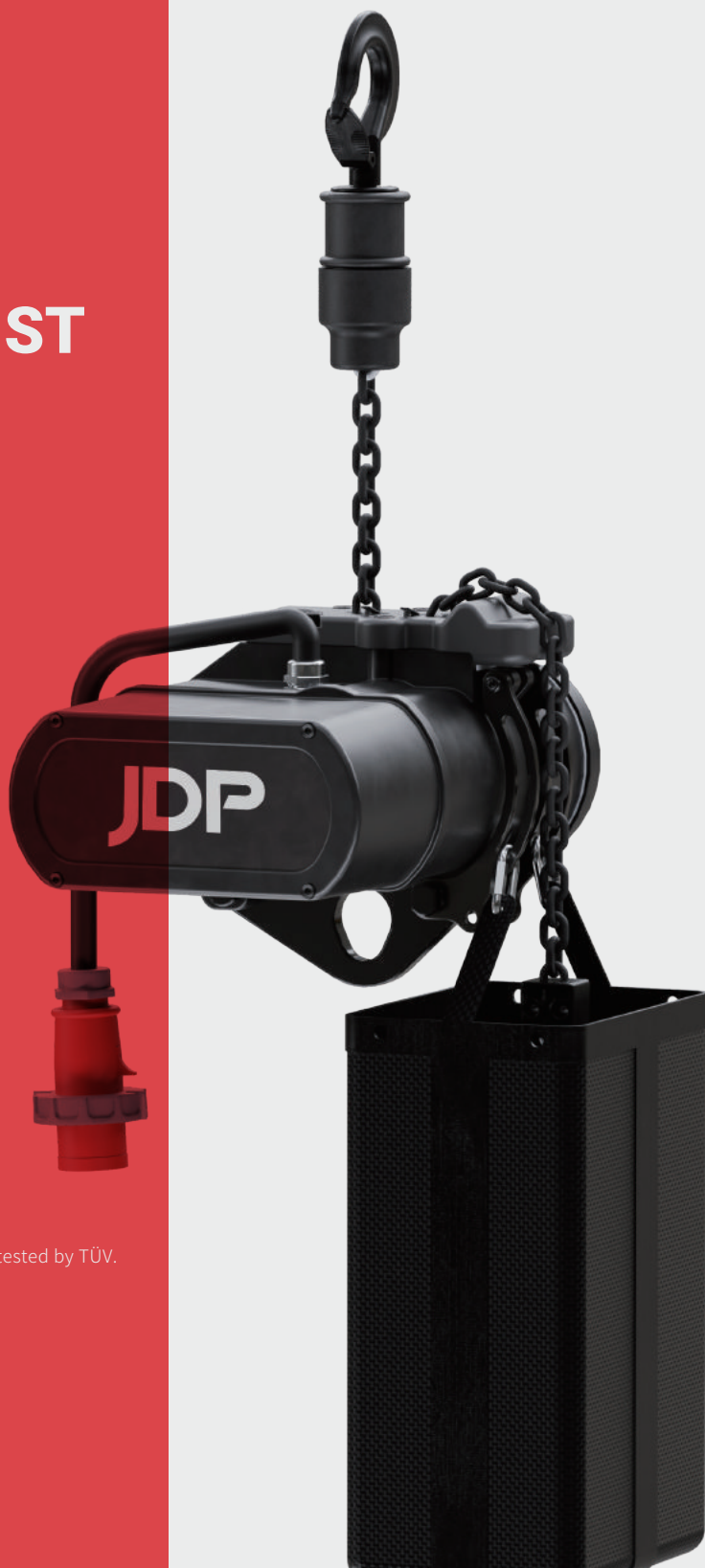
型号/MODEL: Kyra-D8 PLUS 500

起升速度/LIFTING SPEED: 4M/MIN

起升重量/SAFE WORKING LOAD: 500KG

产品符合 D8 PLUS 安全等级要求，依据 IGW SGP2 标准，并通过 TÜV 测试。

The product meets D8 PLUS requirements in accordance with IGW SGP2, tested by TÜV.



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产品图片仅供参考，以实物为准。

Images are for reference only. Please refer to the actual product.

- Rugged shell, small, fashion, easy to carry.
- Matte black surface, avoid light pollution, more convenient for use.
- Strong power, flexible and stable operation.
- Protection grade IP66, can work in the rain.
- G100(DAT) load chain, 8 times safety factor.
- Precision chain guide with 5 pocket sprockets for smoother operation.
- Helical gear transmission, gear grade 6, operating noise ≤ 60 dB.
- The lower hook ring design, more safe to use with the shackle.
- Nylon chain guide for smooth chain operation.
- ADC12 aluminum alloy shell, die-cast aluminum gearbox, strong & durable.
- With patented friction clutch for overload protection.
- Electromagnetic brake, higher safety.
- Specially designed chain bag, no disassembly, easily hung upside down.
- The sliding clutch is between the motor and the brake. Power from the brake to the load is transmitted by form-fitting gear parts. Even with serious clutch wear, the load won't fall uncontrollably as the brake can hold it in any position.
- Clutch is made of non-asbestos material.



无需拆卸即可正倒挂。

Easy forward and reverse hanging without disassembly.

- 机身坚固，外观小巧、时尚，搬运方便。
- 表面哑光黑处理，避免光污染，使用更方便。
- 动力强劲，运行灵活稳定。
- 整机防护等级IP66，可在雨中作业。
- 100级（DAT）链条，8倍安全系数。
- 配有5个链窝链轮的精密导链器，运行更顺滑。
- 斜齿齿轮传动，齿轮等级6级，运行噪音 ≤ 60 分贝。
- 下钩吊环设计，配合卸扣使用更安全。
- 尼龙导链器，确保链条运行顺畅。
- ADC12高强度铝合金外壳与压铸铝齿轮箱，坚固耐用。
- 搭配获得专利的摩擦离合器，用于过载保护。
- 电磁刹车制动，安全性更高。
- 链条袋经过特设计，无需拆卸，可轻松实现倒挂。
- 滑动离合器位于电动机和制动器之间，能很好地控制住传动部件，即使离合器磨损严重或损坏，负载也不会失去控制坠落，因为负载可以被制动器固定在任何位置。
- 离合器采用非石棉材质。

标准配置

- 设备型号: Kyra-D8 PLUS 500
- 起重量符合 DGUV V54 (D8 PLUS): 500KG 双刹车
- 提升速度(m/min): 4
- 供电电压: 380-415V、3ph、50/60Hz;
220-230V、3ph、50/60Hz (见图6, P9)
1m电缆, 带CEE-16 / 4
- 链条尺寸 EN818-7(mm): 5.2*15
- 链条重量 (KG/m): 0.56
- 链条等级: G100 (DAT)
- 链条安全系数: 8:1
- 链条表面: 磷化(黑)
- 导链器: 带有5个链窝链轮的精密导链器
- 链条行数: 1
- 链条袋: 1纺织链条袋, 可拆卸, ≤40米
- 离合器: 获得专利的摩擦离合器
用于过载保护。
- 满载噪音(dB): ≤60
- 制动器: 2个直流制动
- 吊钩: 1个下(可旋转)
- 悬挂方式: 吊环悬挂
- 安装方式: 自爬或固定
- 手柄: 标配
- 防护等级: IP66
- 不含链条重量及吊环、控制线裸机重量(KG): 18.5
- 电机功率(KW): 0.4
- 电流消耗(A): 1.7
- 机械等级: FEM 2m/ISO M5
- 颜色: 黑色, 色号RAL 9005 哑光

选装配置

- **电子限位 选装** 内部调节机械旋转电子限位
- **电子限位 选装** 直接调节上下电子触点限位(见图8,P10)
- **编码器 选装** 安装增量式编码器或预留编码器安装位(低速链轮输出轴或高速电机轴)
- **悬挂方式 选装** 旋转吊钩(见图3,P5)
- **称重检测 选装** 称重传感器
- **链条表面处理 选装** 镀锌(白)

STANDARD VERSION

- Model: Kyra-D8 PLUS 500
- SWL acc. DGUV V54 (D8 PLUS): 500KG double brake
- Lifting speed (m/min): ca. 4
- Supply voltage: 380-415V, 3ph, 50/60Hz;
220-230V, 3ph, 50/60Hz (See Figure 6, P9)
1m cable with CEE-16/4
- Chain acc. EN818-7 (mm): 5.2*15
- Chain net weight (KG/M): ca. 0.56
- Grade of chain: 100 (DAT)
- Chain safety factor: 8:1
- Chain surface: phosphating (black)
- Chain guide: precise chain guide with 5-pocket chain wheel
- Chain falls: 1
- Chain bag: 1 textile chain bag, detachable, ≤40 meters
- Clutch: patented friction clutch for overload protection
- Full load noise level (dB): ≤60
- Brake: 2 DC brakes
- Load hook: 1-fall / turnable
- Suspension: suspension ring
- Mounting position: climbing & stationary
- Handles: standard
- Protection level: IP66
- Net weight without chain, hook & suspension, direct control (KG): 18.5
- Motor power (KW): ca. 0.4
- Current consumption (A): ca. 1.7
- Mechanism group: FEM 2m/ISO M5
- Color: black, RAL 9005 matt

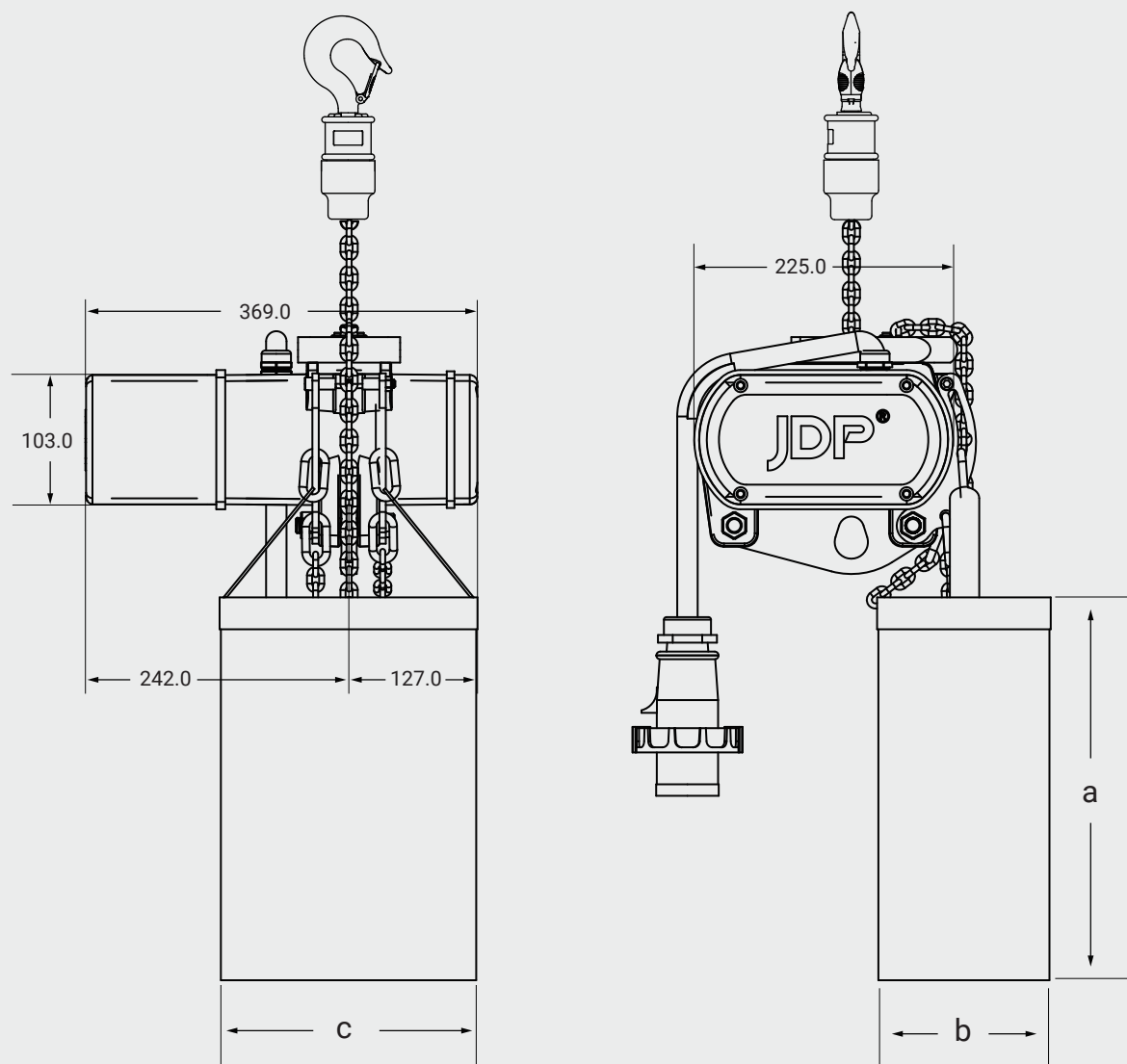
OPTIONAL

- **Electronic limit switch, optional**, internal adjust mechanical rotation electronic limit.
- **Electronic limit switch, optional**, directly adjust the up and down electronic contact limit switch(See Figure 8, P10).
- **Encoder, optional**, install incremental encoder or reserved encoder installation position (low-speed sprocket output shaft or high-speed motor shaft).
- **Suspension method, optional**, swivel hook(See Figure3, P5).
- **Weighing detection, optional**, load cell.
- **Chain surface, optional**, galvanized (white).

ELECTRIC CHAIN HOIST SIZE

电动葫芦尺寸表

图1/Figure 1



链条袋规格/CHAIN BAG SPECIFICATION			
链条长度 CHAIN LENGTH(m)	链条袋尺寸/CHAIN BAG SIZE(mm)		
	a	b	c
10	150	120	150
15	150	120	150
20	200	120	200
25	200	120	200
30	200	120	200

注：单位mm/Note:Unit mm

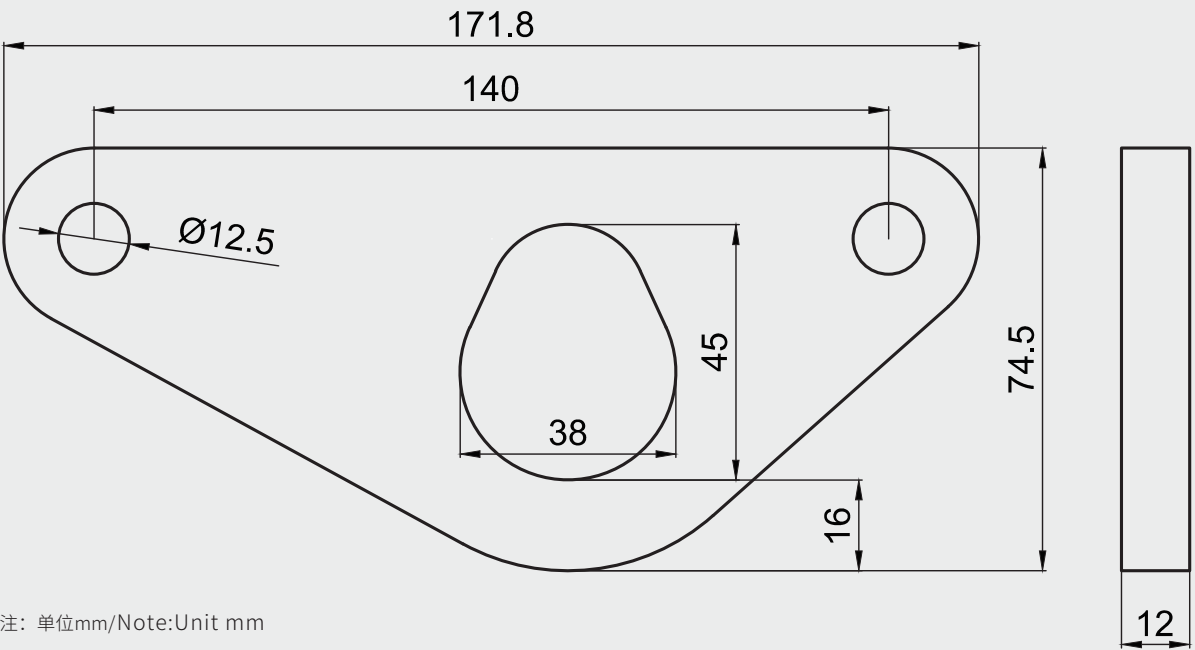
OPTIONAL HOOK SUSPENSION ASSEMBLY

吊挂组件

配置1：单孔悬挂板组件

Standard 1: Single hole suspension plate assembly

图2/Figure 2

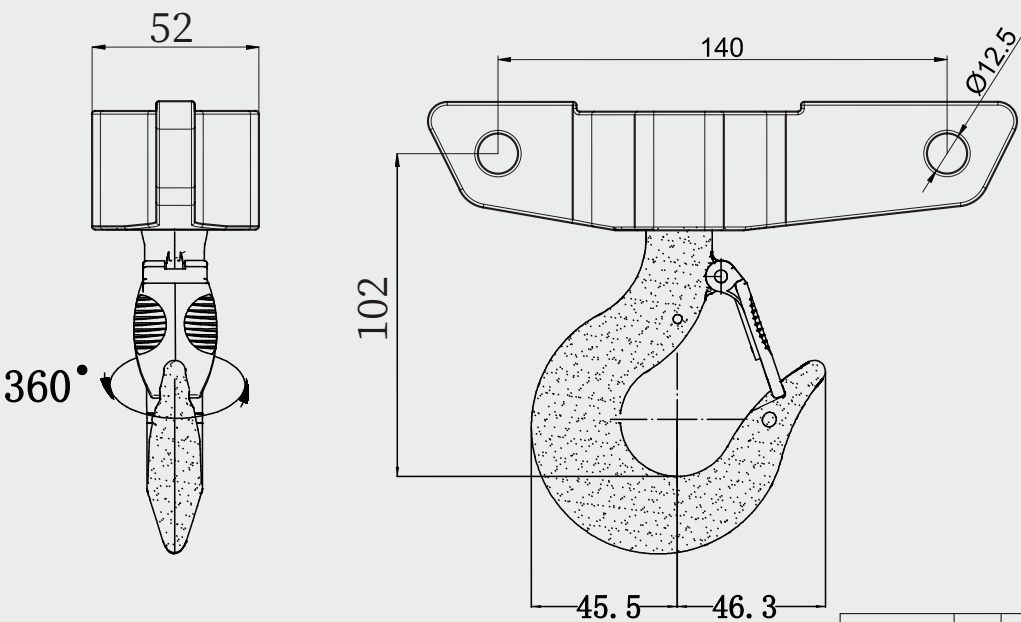


注：单位mm/Note:Unit mm

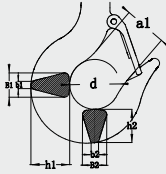
配置2：360°旋转吊钩悬挂组件

Standard 2: 360° rotating hook suspension assembly

图3/Figure 3



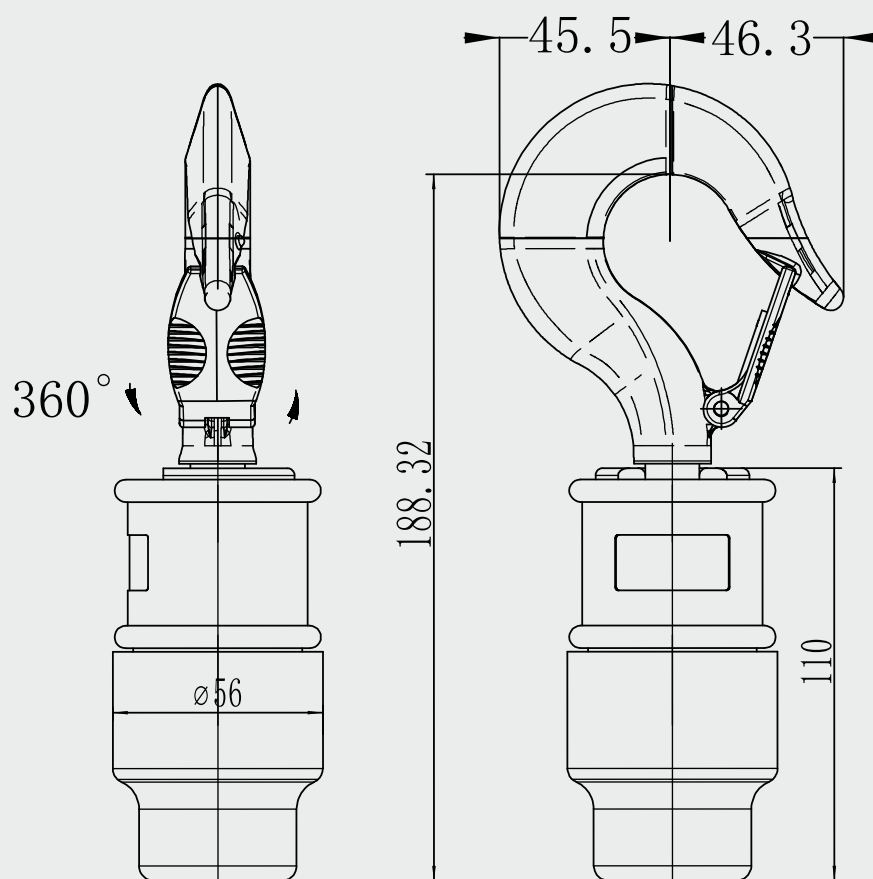
注：单位mm/Note:Unit mm

吊钩规格型号 HOOK SPECIFICATION	b1	B1	b2	B2	h1	h2	d	a1
J-D-0.5T	5.1	17.3	5.1	17.3	27.7	23.7	35.5	30.5
								

HOOK ASSEMBLY

吊钩组件

图4/Figure 4



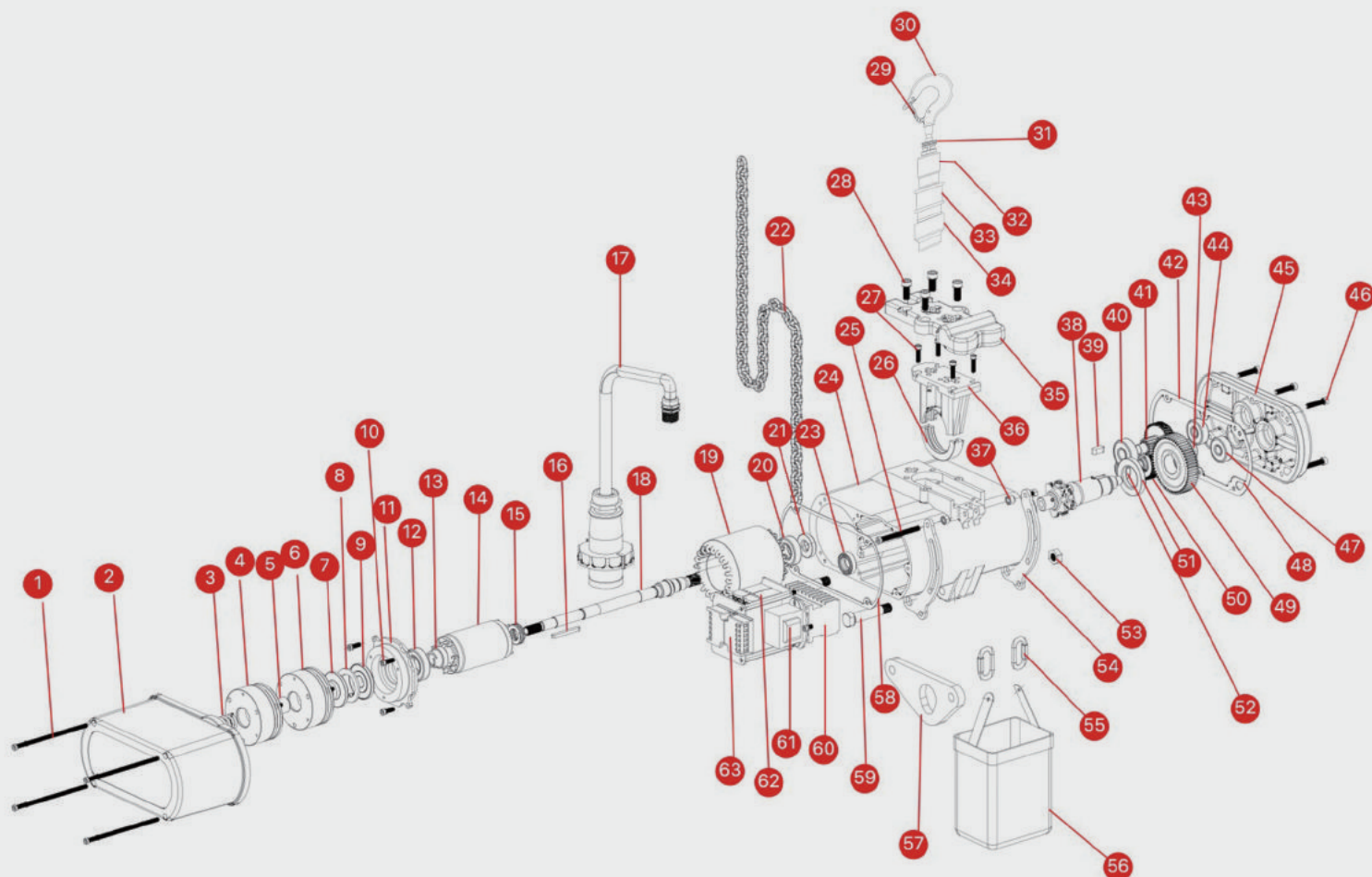
HOOK SPECIFICATION	b1	B1	b2	B2	h1	h2	d	a1
J-D-0.5T	5.1	17.3	5.1	17.3	27.7	23.7	35.5	30.5

Detailed technical drawing of the hook assembly showing dimensions: b1, B1, b2, B2, h1, h2, d, and a1.

注：单位mm/Note:Unit mm

PRODUCT STRUCTURE

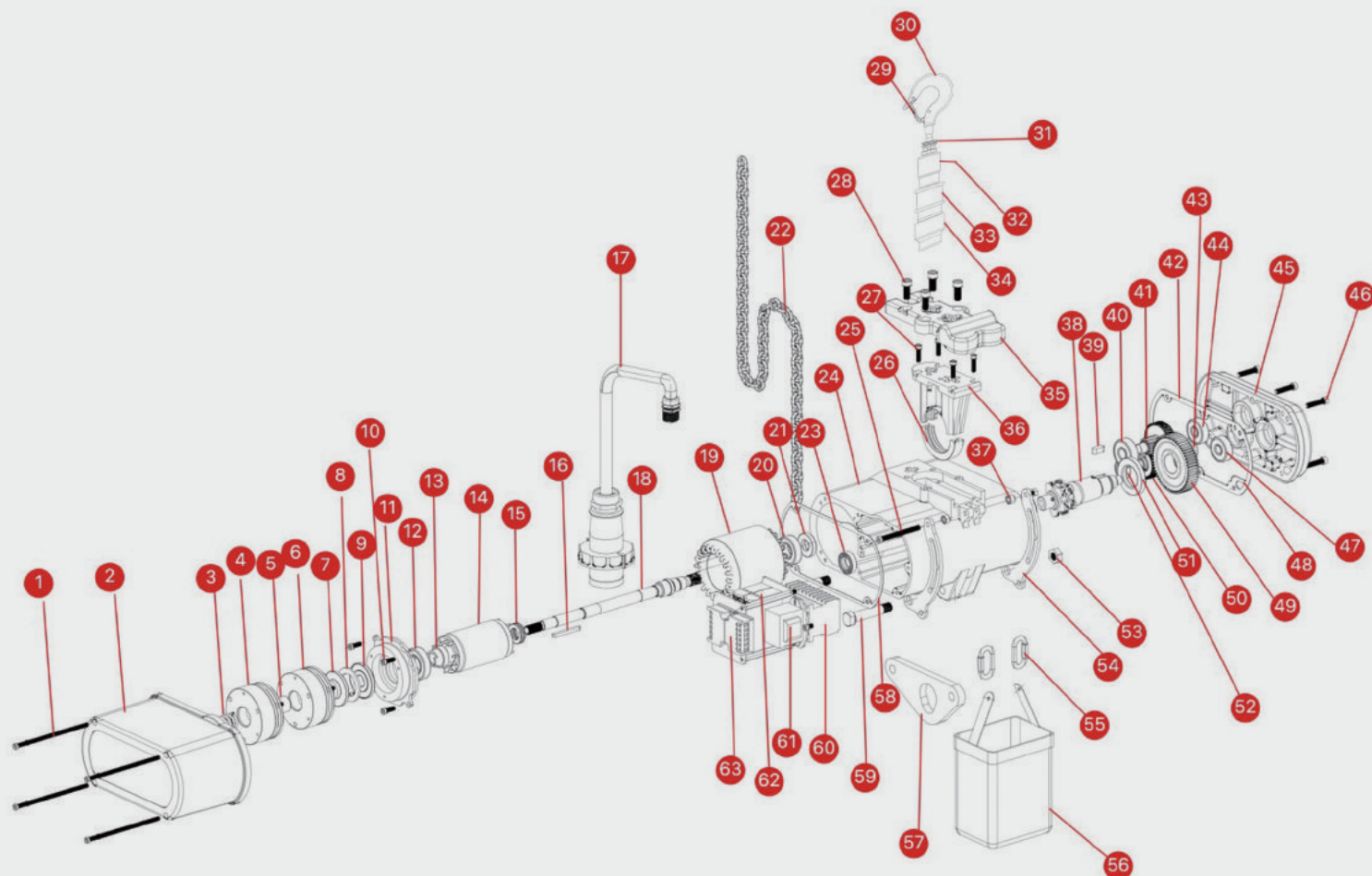
产品结构表



01:电器端盖螺丝	17:控制线总成	33:下钩胶套B	49:输出齿轮
02:电器刹车盖	18:转子轴	34:下钩胶套A	50:三级传动齿轮
03:调节弹簧	19:定子	35:出链盖板	51:骨架油封
04:电磁制动器-1	20:轴承	36:导链架	52:轴承
05:制动器调节套	21:骨架油封	37:链兜挂件固定垫块	53:上吊钩轴固定螺丝
06:电磁制动器-2	22:短环链条	38:起重链轮	54:链兜悬挂架
07:离合器上压片	23:轴承	39:链轮A型键	55:链兜卸扣
08:离合器摩擦片	24:箱体	40:轴承	56:链兜
09:离合器下压片	25:链兜挂件螺丝	41:二级传动齿轮	57:上钩吊环
10:制动器底座螺丝	26:护链器	42:密封垫	58:电器密封垫
11:制动器底座	27:导链架螺丝	43:卡簧	59:上钩轴
12:转子轴承	28:出链盖板螺丝	44:轴承	60:接触器
13:转子内镶套	29:保险卡	45:齿轮箱端盖	61:变压器
14:转子	30:下吊钩	46:齿轮箱端盖螺丝	62:相序
15:压力轴承	31:单向推力球轴承	47:轴承	63:整流器
16:制动器A型键	32:下钩夹板H5	48:密封胶	

PRODUCT STRUCTURE

产品结构表



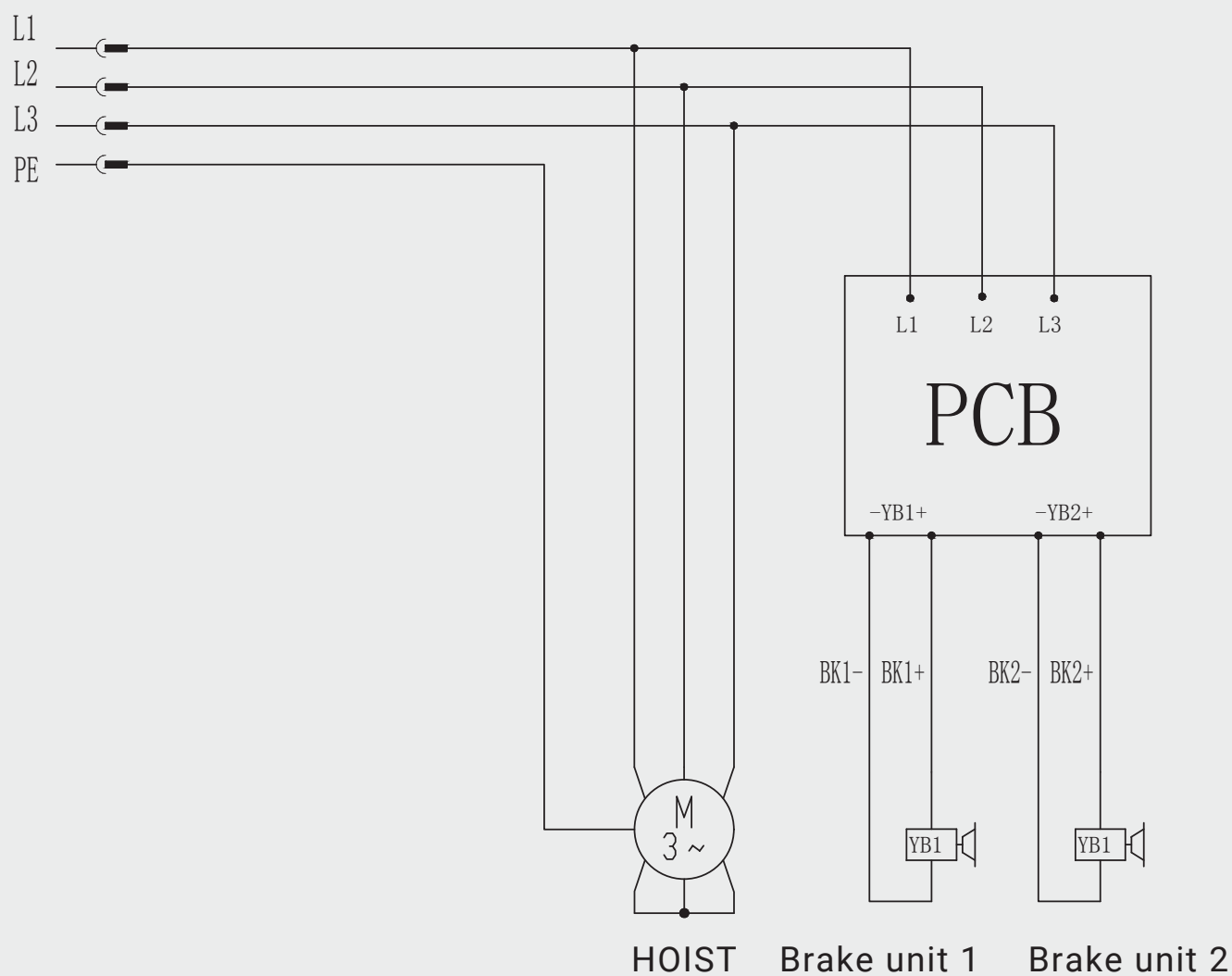
01: electrical end cover screw	17: control cable assembly	33: hook rubber buffer B	49: output gear
02: electrical brake cover	18: rotor shaft	34: hook rubber buffer A	50: 3rd stage gear
03: adjusting spring	19: stator	35: chain out cover	51: skeleton oil seal
04: DC brake-1	20: bearing	36: chain guide	52: bearing
05: brake adjustment sleeve	21: skeleton oil seal	37: chain bag mounting spacer	53: upper hook shaft fixing screw
06: DC brake-2	22: short link chain	38: sprocket	54: chain bag hanger
07: upper pressure plate	23: bearing	39: type A parallel key for sprocket	55: chain bag shackle
08: friction disc	24: gearbox	40: bearing	56: chain bag
09: lower pressure plate	25: chain bag mounting screw	41: 2nd stage gear	57: suspension ring
10: brake base screw	26: chain guard	42: sealing gasket	58: sealing gasket
11: brake base	27: chain guide fixing screw	43: circlip	59: upper hook shaft
12: rotor bearing	28: chain out cover screw	44: bearing	60: contactor
13: rotor insert sleeve	29: safety latch	45: gearbox end cover	61: transformer
14: rotor	30: load hook	46: gearbox end cover screw	62: phase sequence
15: thrust bearing	31: one-way thrust bearing	47: bearing	63: rectifier
16: type a parallel key	32: load hook side plate H5	48: sealant	

ELECTRICAL WIRING DIAGRAM

电器线路图

直接控制-双刹 -3ph/High voltage directly control-double brake-3ph

图5/Figure 5



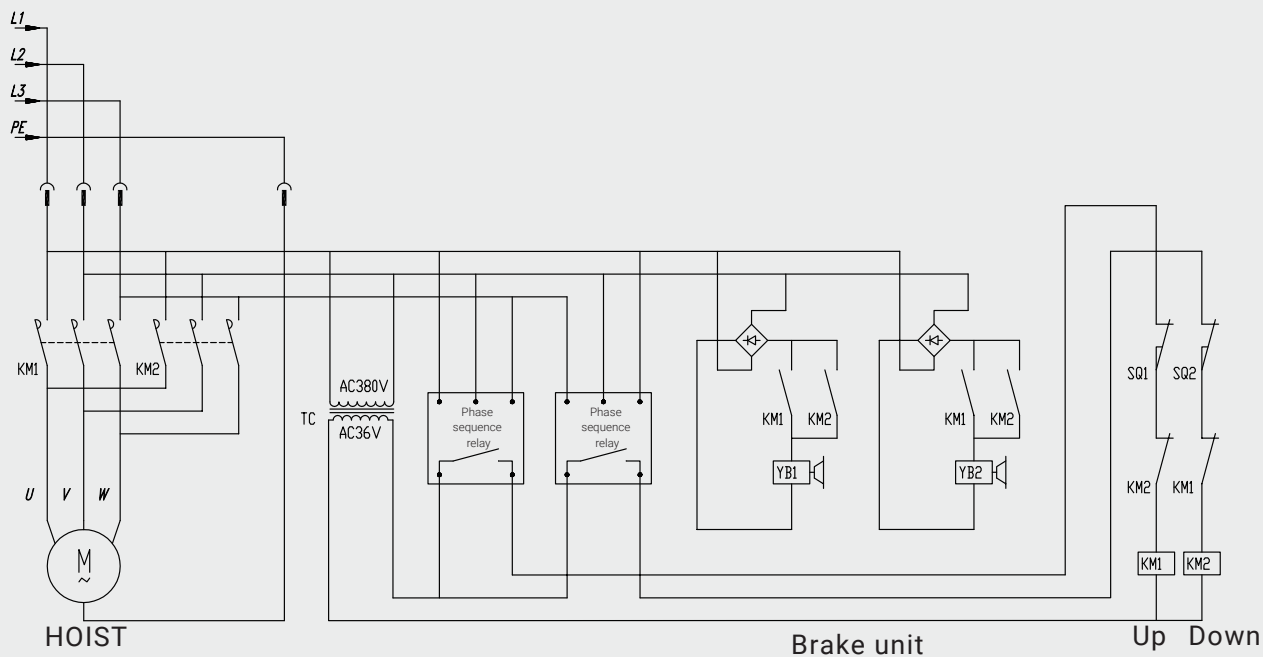
注：不带限位/Note: without limit switch

ELECTRICAL WIRING DIAGRAM

电器线路图

直接控制-双刹-3ph/High voltage directly control-double brake-3ph

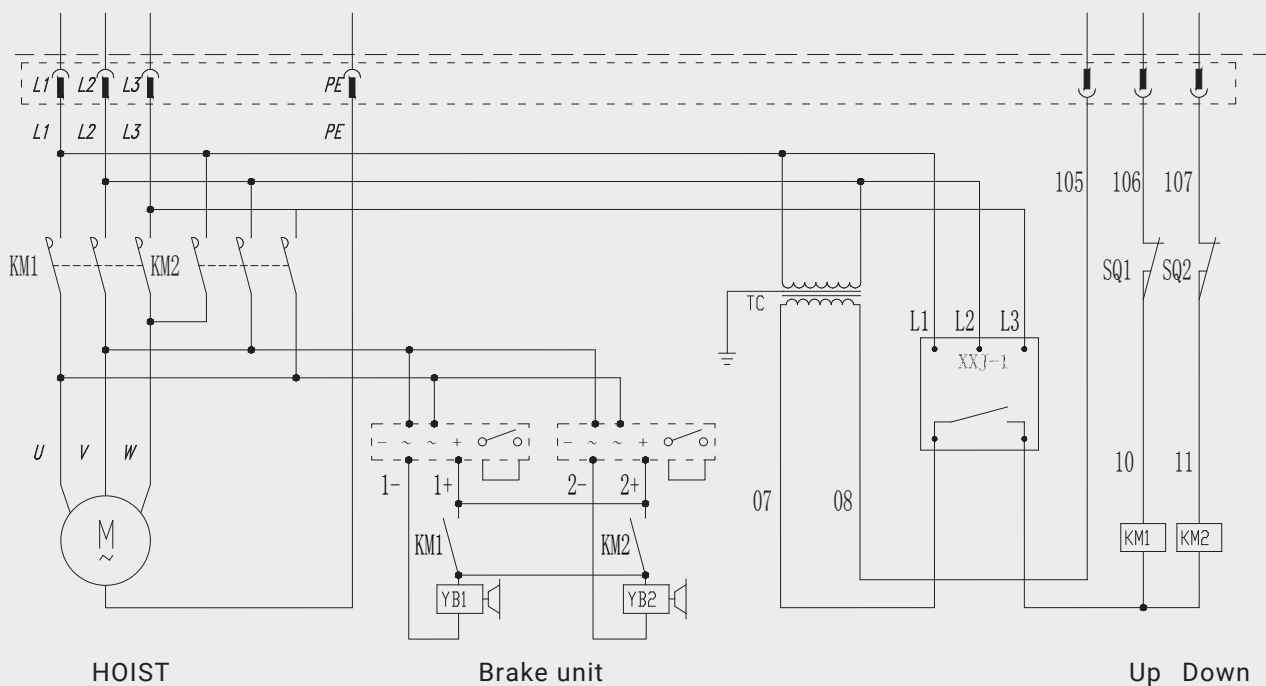
图7/Figure 7



注：带限位/Note: with limit switch

直接控制-双刹-3ph/Low voltage directly control-double brake-3ph

图8/Figure 8



注：带限位/Note: with limit switch

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