

Kyra

STAGE ELECTRIC HOIST

Kyra 系列舞台电动葫芦

D8
Plus

型号/MODEL: Kyra-D8 PLUS 1000

起升速度/LIFTING SPEED: 4M/MIN

起升重量/SAFE WORKING LOAD: 1000KG

产品符合 D8 PLUS 安全等级要求，依据 IGWV SQP2 标准，并通过 TÜV 测试。

The product meets D8 PLUS requirements in accordance with IGWV SQP2, tested by TÜV.



CONTENTS

目录

产品简介	2
------------	---

技术数据	3
------------	---

标准配置	3
------------	---

选装配置	3
------------	---

线形图	4
-----------	---

产品爆炸图	7
-------------	---

电器数据	9
------------	---

PRODUCT INTRODUCTION ...	2
--------------------------	---

TECHNICAL DATA	3
----------------------	---

STANDARD VERSION	3
------------------------	---

OPTIONAL CONFIGURATION	3
------------------------------	---

LINE GRAPH	4
------------------	---

PRODUCTS EXPLOSION VIEW	8
-------------------------------	---

ELECTRICAL DATA	9
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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 $\leq 60\text{dB}$.
- 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 $\leq 60\text{分贝}$ 。
- 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 1000
- 起重量符合 DGUV V54 (D8 PLUS): 1000KG 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): 7.4*21
- 链条重量 (KG/m): 1.2
- 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): 27.9
- 电机功率(KW): 1.1
- 电流消耗(A): 3.8
- 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 1000
- SWL acc. DGUV V54 (D8 PLUS): 1000KG 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): 7.4*21
- Chain net weight (KG/M): ca. 1.2
- 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): 27.9
- Motor power (KW): ca. 1.1
- Current consumption (A): ca. 3.8
- Mechanism group: FEM 2m/ISO M5
- Color: black, RAL 9005 matt

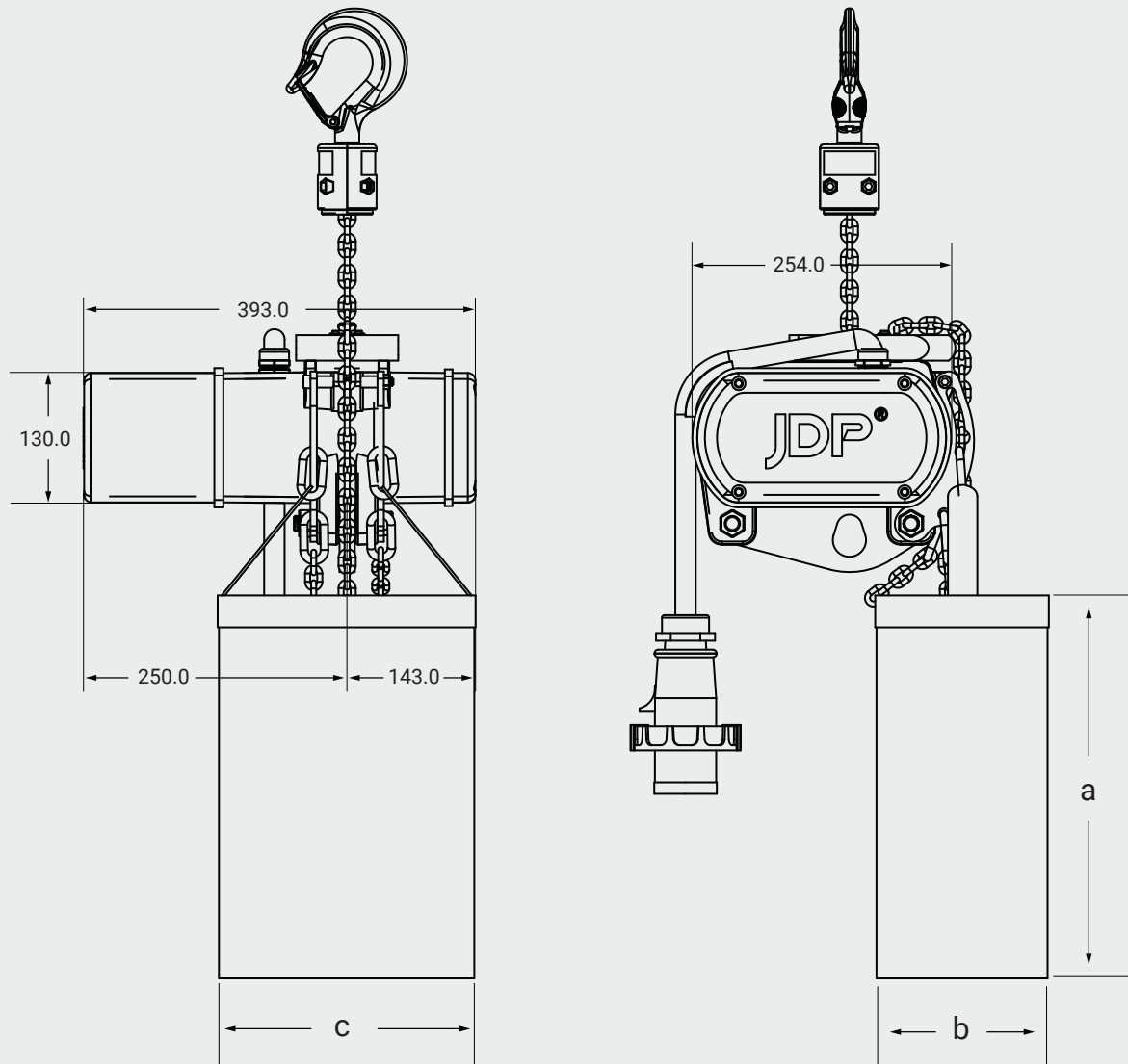
OPTIONAL

- **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

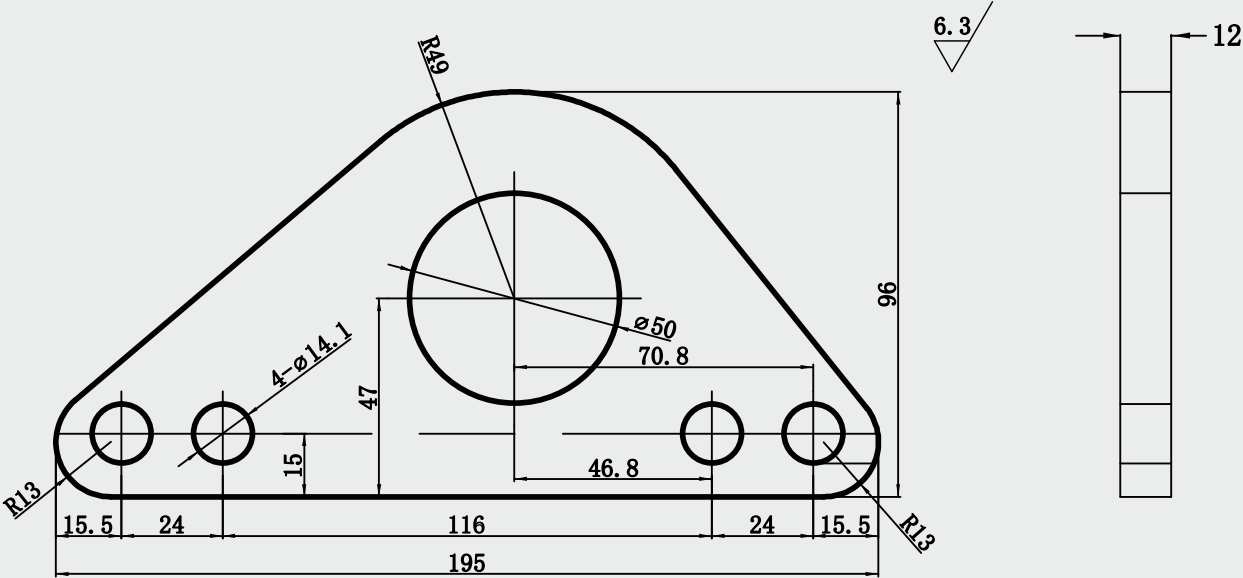
注：单位mm/Note:Unit mm

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

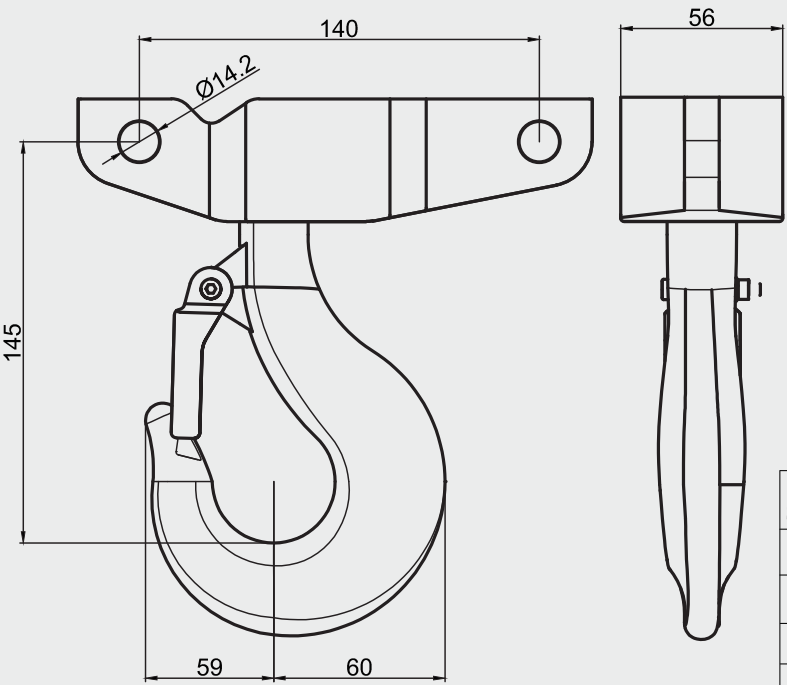
图2/Figure 2



注：单位mm/Note:Unit mm

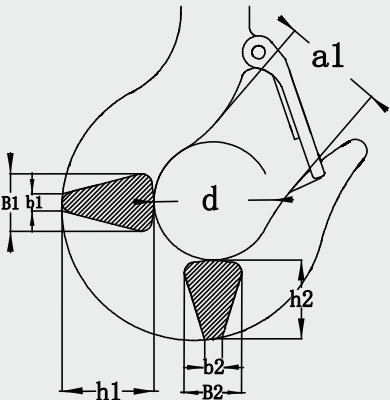
配置2：360°旋转吊钩悬挂组件
Standard 2: 360° rotating hook suspension assembly

图3/Figure 3



注：单位mm/Note:Unit mm

HOOK SPECIFICATION	
J-D-1T	
B2	21
a1	33
b1	7
b2	7
h1	37
h2	35
B1	21
d	40

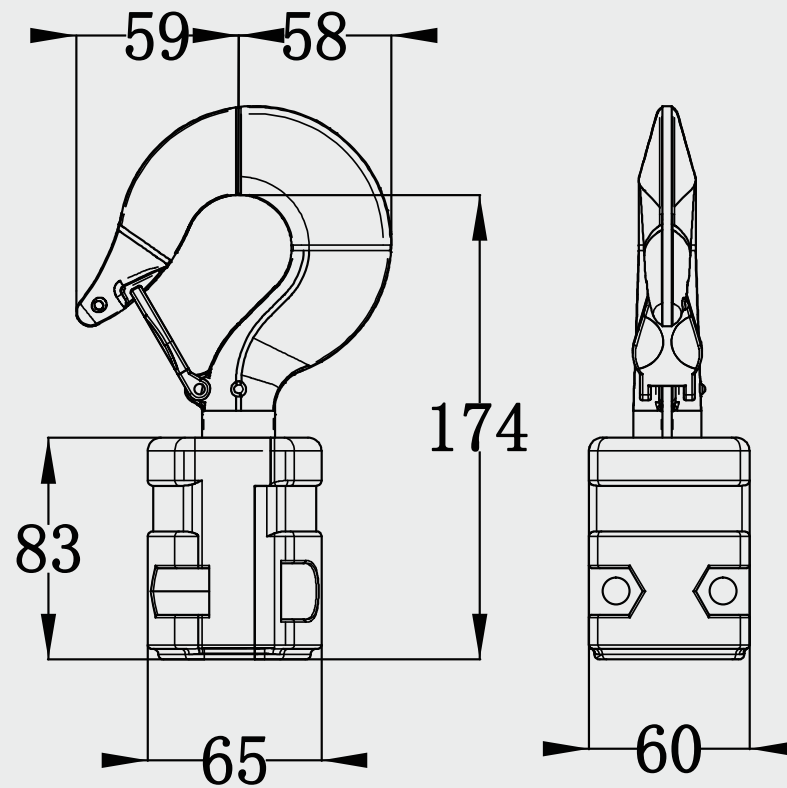


The diagram illustrates a mechanical hook assembly. A central circular component, labeled 'd', represents the hook's body. To its left, a shaded, tapered section represents the hook's base, with dimensions B1 (total width), b1 (width at the top), and h1 (height). To the right, a curved arm, labeled 'a1', is attached to the body. Below the body, another shaded, tapered section represents the hook's tip, with dimensions B2 (total width), b2 (width at the top), and h2 (height). The dimensions are indicated by arrows and labels.

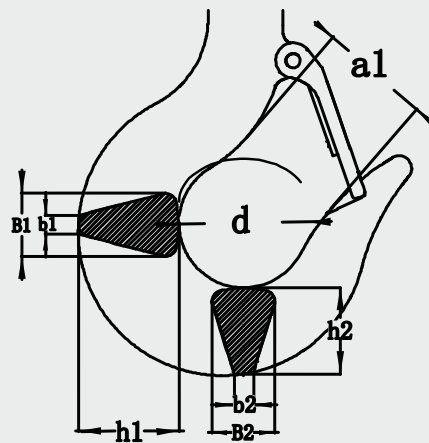
HOOK ASSEMBLY

吊钩组件

图4/Figure 4



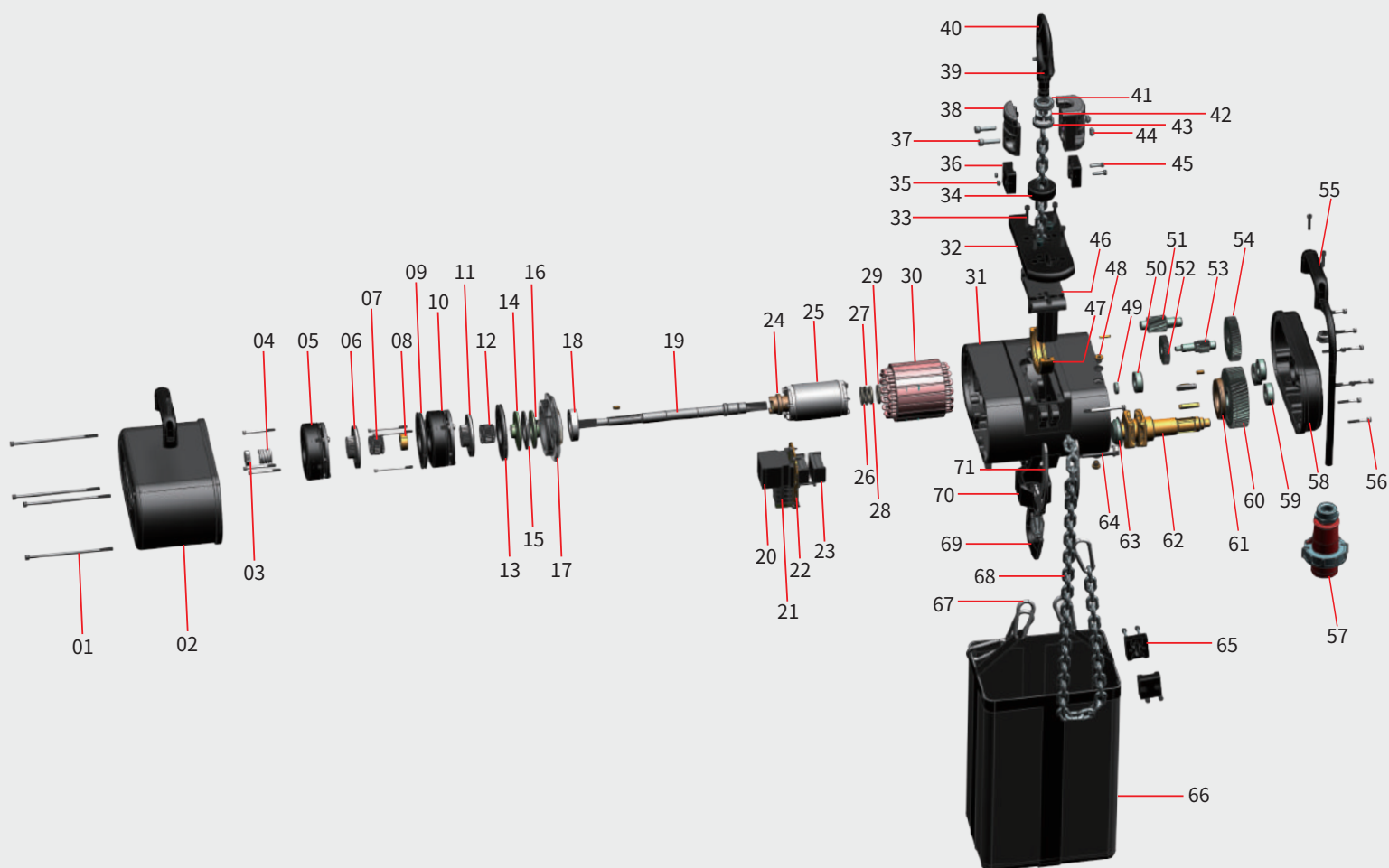
HOOK SPECIFICATION	b1	B1	b2	B2	h1	h2	d	a1
J-D-1T	7	22.3	7	21.7	37	34	40	34



注：单位mm/Note:Unit mm

PRODUCT STRUCTURE

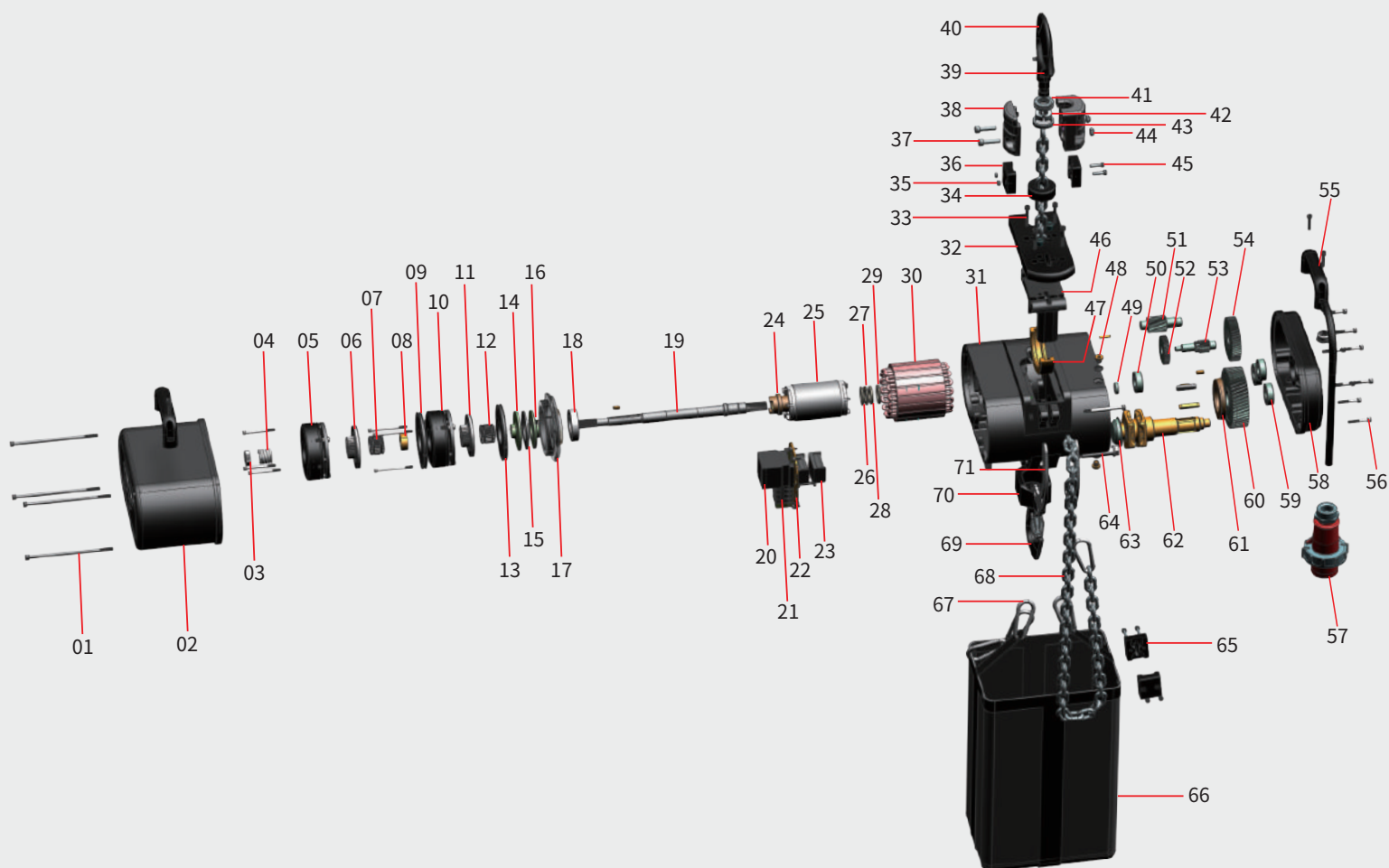
产品结构表



01:电器端盖螺丝	19:转子轴	39:保险卡	57:航空插头
02:双刹电器盖	20:高压接触器	40:下钩	58:齿轮箱端盖
03:离合器调节螺母	21:接线端子	41:单向推力球轴承	59:轴承
04:调节弹簧	22:卡轨	42:下钩两半圆固定圈	60:输出齿轮
05:电磁制动器	23:整流器	43:固定圈	61:油封
06:制动摩擦片	24:转子轴套	44:下钩螺母	62:链轮
07:制动器花键套	25:转子	45:螺丝	63:链轮堵
08:调节套	26-28:压力轴承	46:导链架	64:上钩轴
09:刹车转接板	29:轴承垫片	47:护链器	65:链条锁块
10:电磁制动器	30:定子	48:油堵	66:储链袋
11:制动摩擦片	31:齿轮箱体	49:轴承	67:环形链接环
12:制动器花键套	32:出链盖板	50:轴承	68:链条
13:刹车底板	33:导链架固定螺丝	51:一级传动齿轮轴	69:上钩
14:离合器上压片	34:橡胶顶块	52:一级传动齿轮	70:上钩夹板
15:摩擦片	35:螺母	53:二级传动齿轮轴	71:链兜挂件
16:离合器下压片	36:链条锁块	54:二级传动齿轮	
17:制动器底座	37:下钩螺丝	55:手柄	
18:轴承	38:下钩夹板	56:齿轮箱端盖螺丝	

PRODUCT STRUCTURE

产品结构表



01: electrical end cover screw
02: dual brake electrical cover
03: clutch adjustment nut
04: adjustment spring
05: DC brake
06: brake friction disc
07: brake spline sleeve
08: adjustment sleeve
09: brake adapter plate
10: DC brake
11: brake friction disc
12: brake spline sleeve
13: brake base plate
14: upper pressure plate
15: friction disc
16: lower pressure plate
17: brake base
18: bearing

19: rotor shaft
20: high voltage contactor
21: terminals
22: DIN rail
23: rectifier
24: rotor shaft sleeve
25: rotor
26-28: thrust bearing
29: bearing shim
30: stator
31: gearbox
32: chain out cover
33: chain guide fixing screw
34: rubber bumper
35: nut
36: chain locking block
37: load hook screw
38: load hook plate

39: safety latch
40: load hook
41: one-way thrust bearing
42: two semi-circle fixing rings for the load hook
43: retaining ring
44: load hook nut
45: screw
46: chain guide
47: chain guard
48: oil plug
49: bearing
50: bearing
51: 1st stage gear shaft
52: 1st stage gear
53: 2nd stage gear shaft
54: 2nd stage gear
55: handle
56: gearbox end cover screw

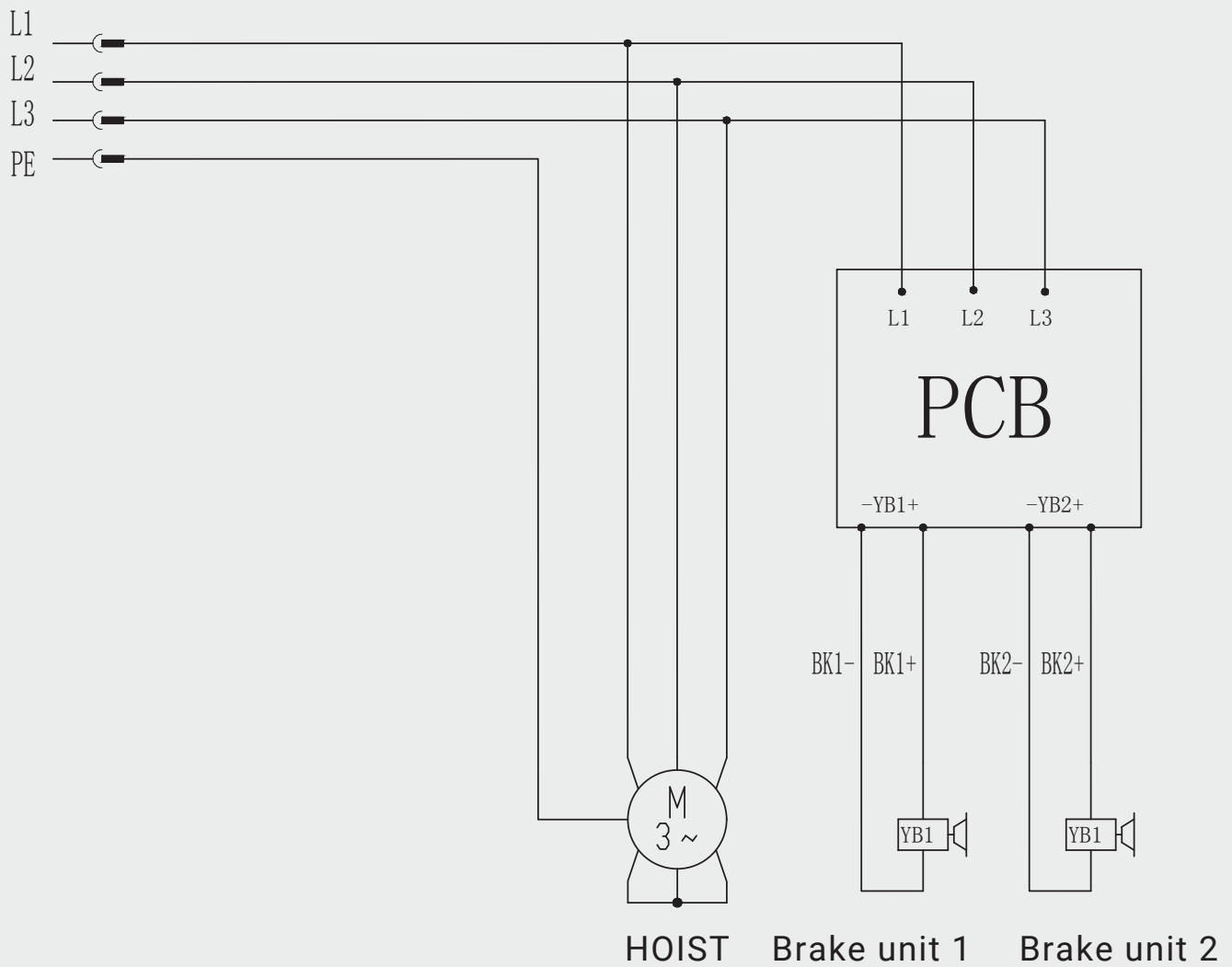
57: aviation plug
58: gearbox end cover
59: bearing
60: output gear
61: oil seal
62: sprocket
63: sprocket plug
64: upper hook shaft
65: chain locking block
66: chain bag
67: link ring
68: chain
69: upper hook
70: upper hook side plate
71: chain bag hanger

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



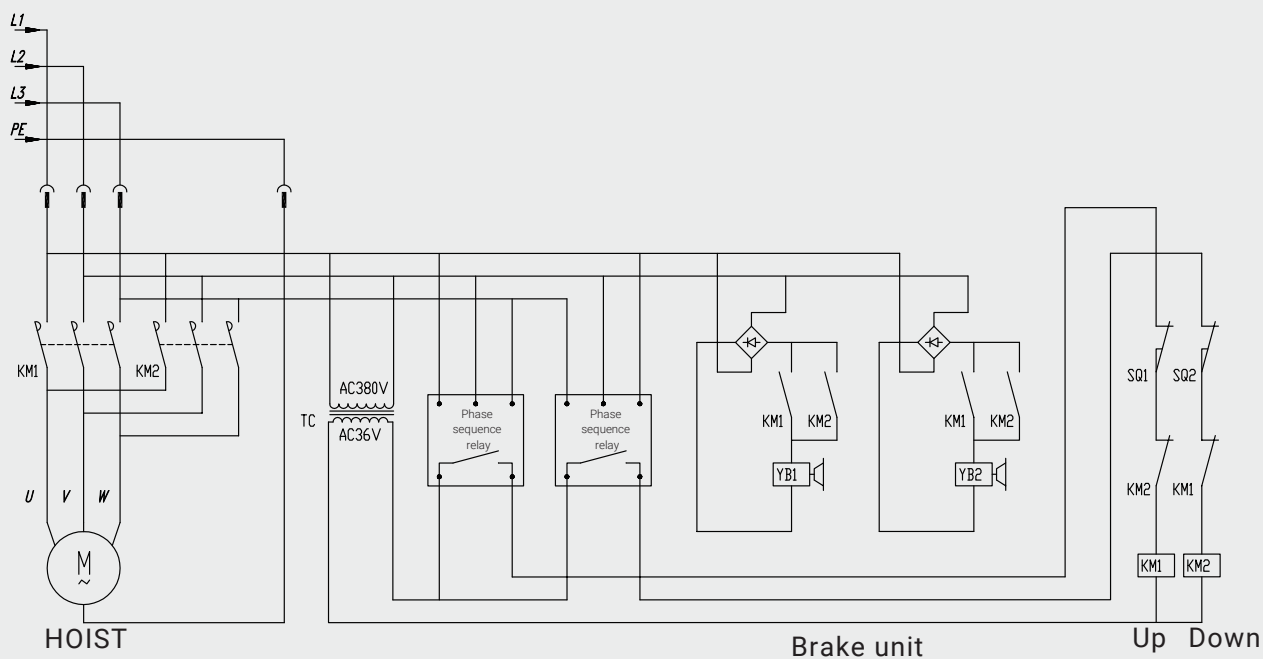
注：不带限位/Note: without limit switch

ELECTRICAL WIRING DIAGRAM

电器线路图

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

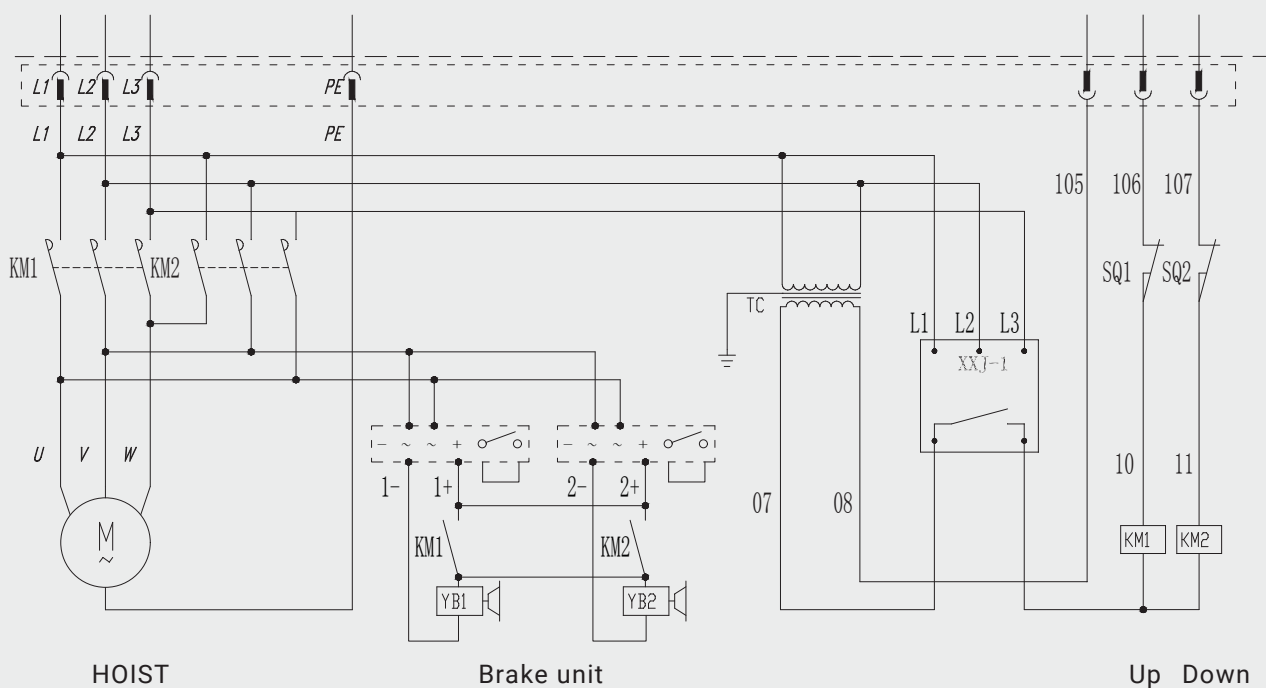
图7/Figure 7



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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