

Kyra

STAGE ELECTRIC HOIST

Kyra 系列舞台电动葫芦



型号/MODEL: Kyra-D8 320 (1Br)

起升速度/LIFTING SPEED: 4M/MIN

起升重量/SAFE WORKING LOAD: 320KG

产品依照DGUV V54标准符合D8标准

THE PRODUCT COMPLIES WITH DGUV V54 D8 STANDARD



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 320 (1Br)
- 起重量符合 BGV D8(DGUV Vorschrift 54): 320KG 单刹车
- 提升速度(m/min): 4
- 供电电压: 380-415V、3ph、50/60Hz;
220-230V、3ph、50/60Hz (见图5, P9)
1m电缆, 带CEE-16 / 4
- 链条尺寸 EN818-7(mm): 4*12
- 链条重量 (KG/m): 0.35
- 链条安全系数: 8:1
- 链条等级: G100 (DAT)
- 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, ≤30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: 1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: 无
- 防护等级: IP66
- 不含链条重量及吊环、控制线裸机重量(KG): 10
- 电机功率(KW): 0.22
- 电流消耗(A): 1
- 机械等级: FEM 1Am/ISO M4
- 颜色: 黑色, 色号RAL 9005 哑光

选装配置

- **电子限位 选装** 直接调节上下电子触点限位(见图7,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 320 (1Br)
- SWL acc. BGV D8(DGUV Vorschrift 54): 320KG single brake
- Lifting speed (m/min): ca. 4
- Supply voltage: 380-415V, 3ph, 50/60Hz;
220-230V, 3ph, 50/60Hz (See Figure 5, P9)
1m cable with CEE-16/4
- Chain acc. EN818-7 (mm): 4*12
- Chain net weight (KG/M): ca. 0.35
- Chain safety factor: 8:1
- Grade of chain: 100 (DAT)
- Chain surface: phosphating (black)
- Chain guide: precise chain guide with 5-pocket chain wheel
- Chain falls: 1
- Chain bag: 1 textile chain bag, detachable, ≤30 meters
- Clutch: patented friction clutch for overload protection
- Full load noise level (dB): ≤60
- Brake: 1 DC brake
- Load hook: 1-fall / turnable
- Suspension: suspension ring
- Mounting position: climbing & stationary
- Handles: without
- Protection level: IP66
- Net weight without chain, hook & suspension, direct control (KG): 10
- Motor power (KW): ca. 0.22
- Current consumption (A): ca. 1.0
- Mechanism group: FEM 1Am/ISO M4
- Color: black, RAL 9005 matt

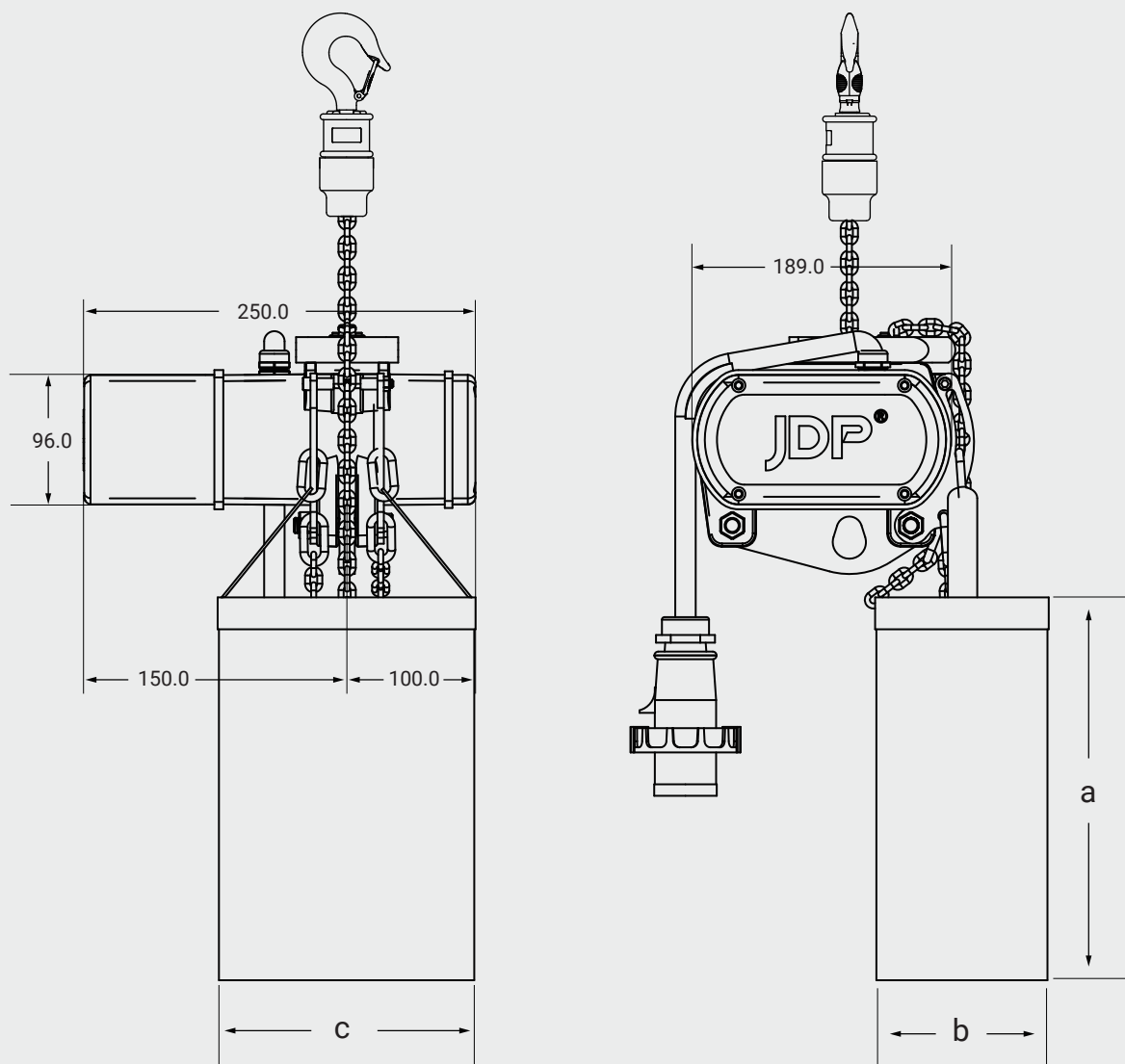
OPTIONAL

- **Electronic limit switch, optional**, directly adjust the up and down electronic contact limit switch(See Figure 7, 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

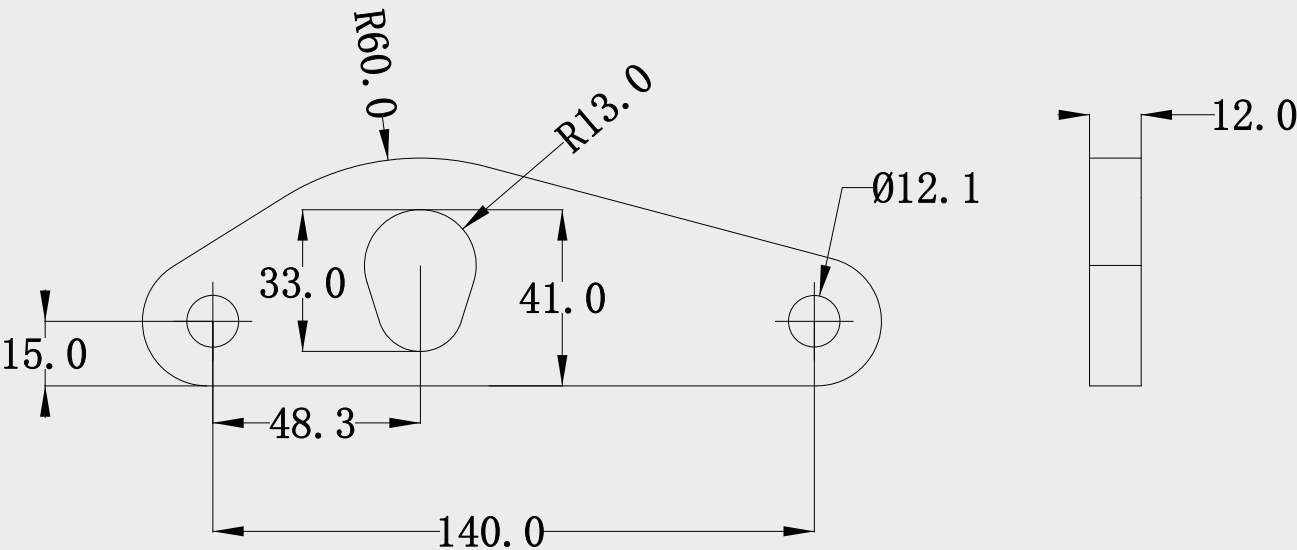
注：单位mm/Note:Unit mm

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

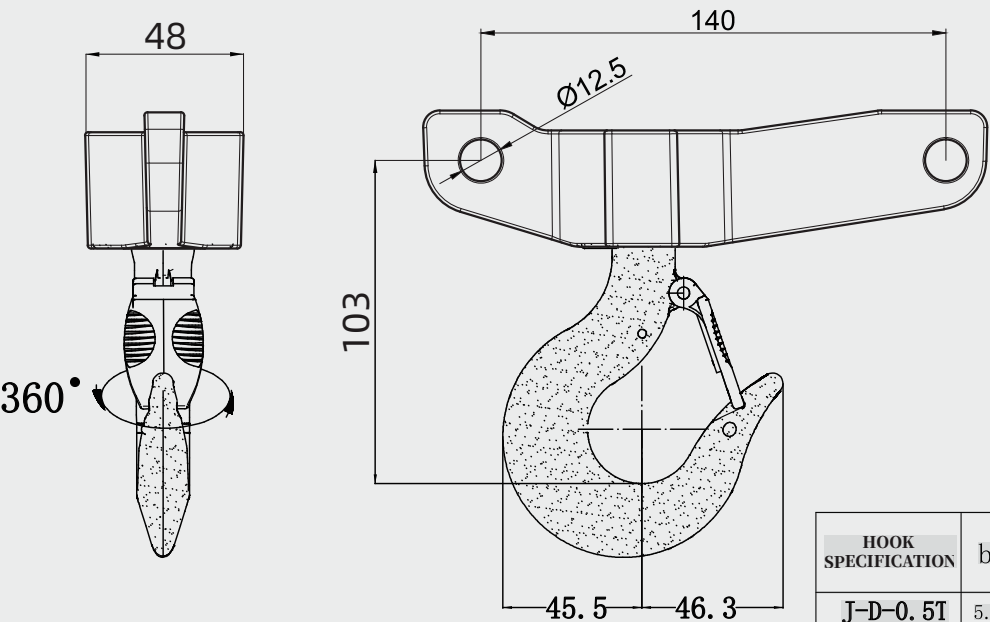
图2/Figure 2



注：单位mm/Note:Unit mm

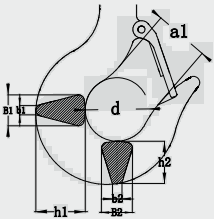
配置2：360°旋转吊钩悬挂组件
Standard 2: 360° rotating hook suspension assembly

图3/Figure 3



注：单位mm/Note:Unit mm

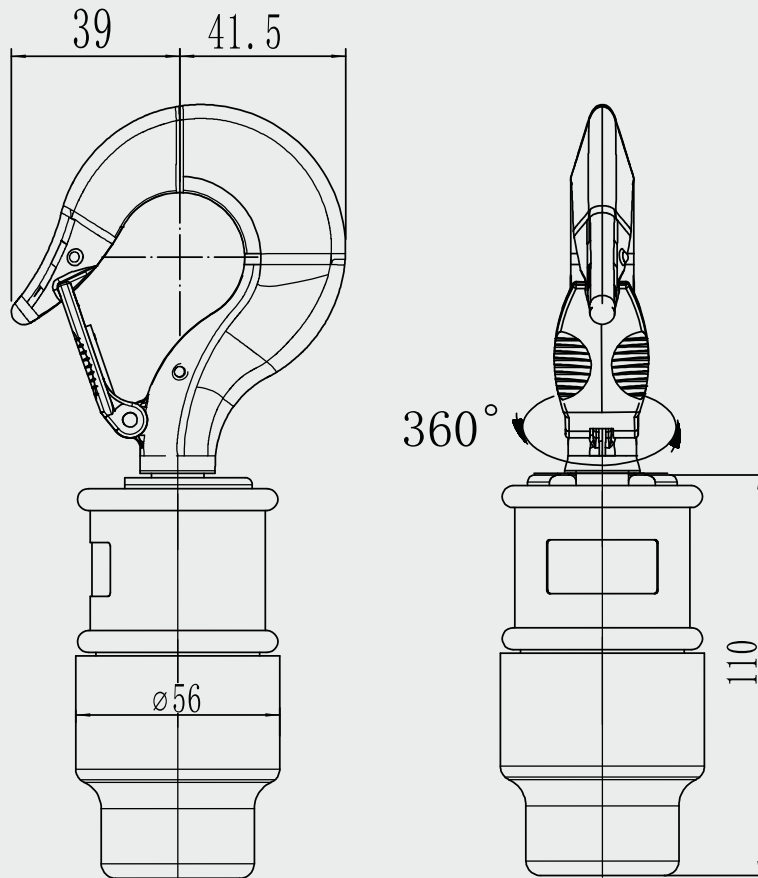
HOOK SPECIFICATION	b1	B1	b2	B2	h1	h2	d	a1
J-D-0.5T	5.1	17.3	5.1	17.3	27.7	23.7	35.5	30.5



HOOK ASSEMBLY

吊钩组件

图4/Figure 4

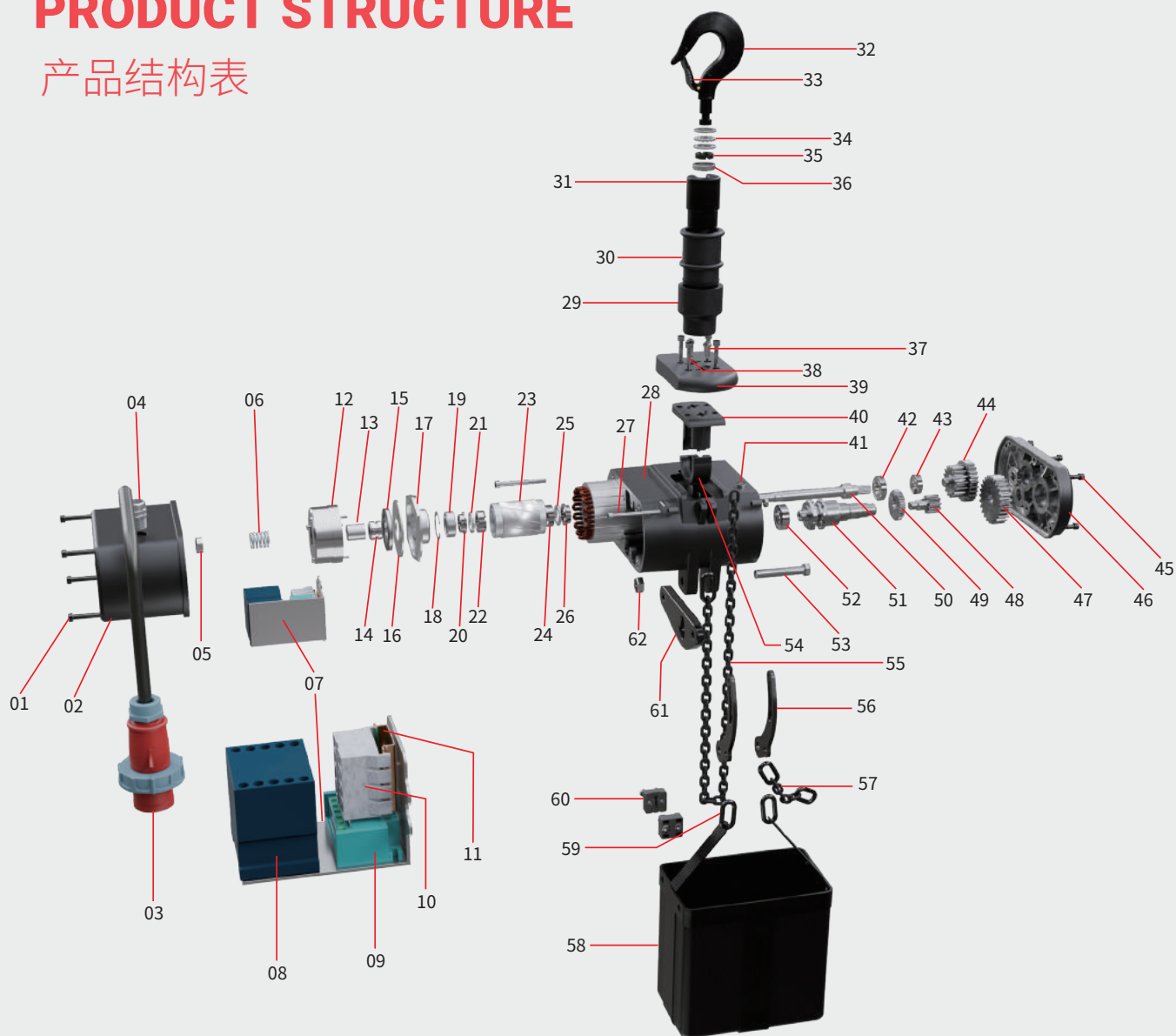


HOOK SPECIFICATION	b1	B1	b2	B2	h1	h2	d	a1
J-D-0.35T	6	16	6	15.5	24	22.5	35	24

注：单位mm/Note:Unit mm

PRODUCT STRUCTURE

产品结构表



01: 电器端盖螺丝

02: 电器刹车盖

03: 航空插头

04: 铜接头

05: 离合器调节螺母

06: 调节弹簧

07: 电器

08: 高压接触器

09: 整流器

10: 接线端子

11: 卡轨

12: 电磁制动器

13: 制动器调节套

14: 制动齿轮

15: 制动摩擦片

16: 制动器底板

17: 制动器底座

18: 卡簧

19: 轴承

20: 离合压片-1

21: 离合摩擦片-1

22: 离合压套-1

23: 转子

24: 离合压套-2

25: 离合摩擦片-2

26: 离合压片-2

27: 链袋架螺栓

28: 齿轮箱体

29: 下钩胶套A

30: 下钩胶套B

31: 下钩夹板H4

32: 下钩

33: 保险卡

34: 单向推力球轴承

35: 下钩两半圆固定圈

36: 两半圆固定圈

37: 限位开关

38: 导链架固定螺丝

39: 出链盖板

40: 导链架

41: 油堵

42: 转子轴承

43: 中间齿轮轴承

44: 中间齿轮1

45: 电器端盖螺丝

46: 齿轮箱盖

47: 输出齿轮

48: 中间齿轮2

49: 中间齿轮

50: 转子轴

51: 链轮

52: 链轮轴承

53: 上钩轴

54: 护链器

55: 链条

56: 链袋挂件

57: 安全保护环链

58: 储链袋

59: 环形链接环

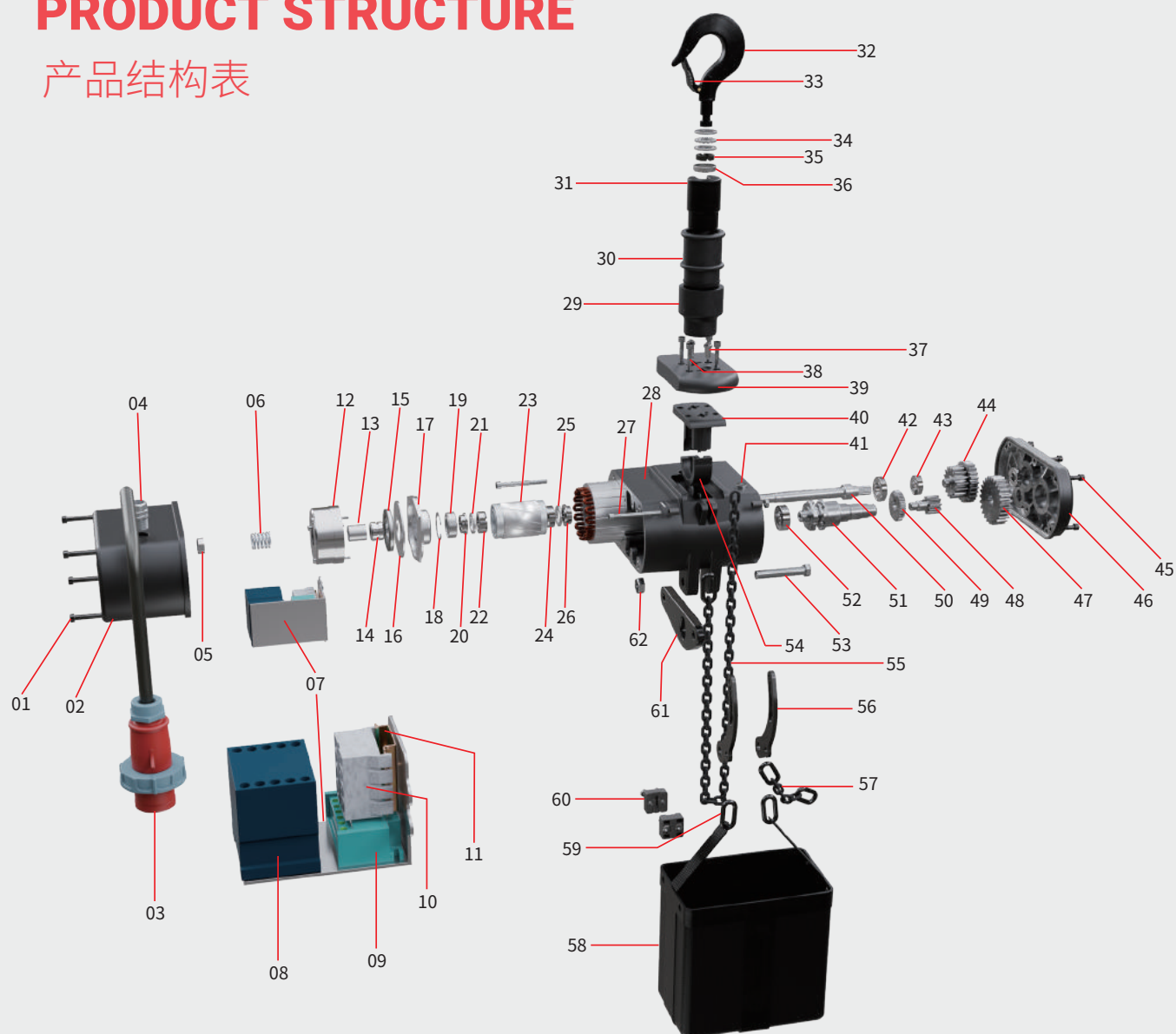
60: 链条锁块

61: 上钩吊环

62: 上钩螺母

PRODUCT STRUCTURE

产品结构表



01: electrical end cover screw

02: electrical brake cover

03: aviation plug

04: copper joint

05: clutch adjustment nut

06: adjustment spring

07: electrical components

08: high voltage contactor

09: rectifier

10: terminals

11: DIN rail

12: DC brake

13: brake adjusting sleeve

14: brake gear

15: brake friction disc

16: brake base plate

17: brake base

18: circlip

19: bearing

20: clutch pressure plate-1

21: clutch friction disc-1

22: clutch pressure sleeve-1

23: rotor

24: clutch pressure sleeve-2

25: clutch friction disc-2

26: clutch pressure plate-2

27: chain bag bracket bolt

28: gearbox

29: load hook rubber sleeve A

30: load hook rubber sleeve B

31: load hook side plate H4

32: load hook

33: safety latch

34: one-way thrust bearing

35: two semi-circle fixing rings
for the load hook

36: two half-circle retaining ring

37: limit switch

38: chain guide fixing screw

39: chain out cover

40: chain guide

41: oil seal

42: rotor bearing

43: middle gear bearing

44: middle gear 1

45: electrical end cover screws

46: gearbox cover

47: output gear

48: middle gear 2

49: middle gear

50: rotor shaft

51: sprocket

52: chain wheel bearing

53: upper hook shaft

54: chain guard

55: chain

56: chain bag hanger

57: safety protection chain

58: chain bag

59: link ring

60: chain locking block

61: suspension ring

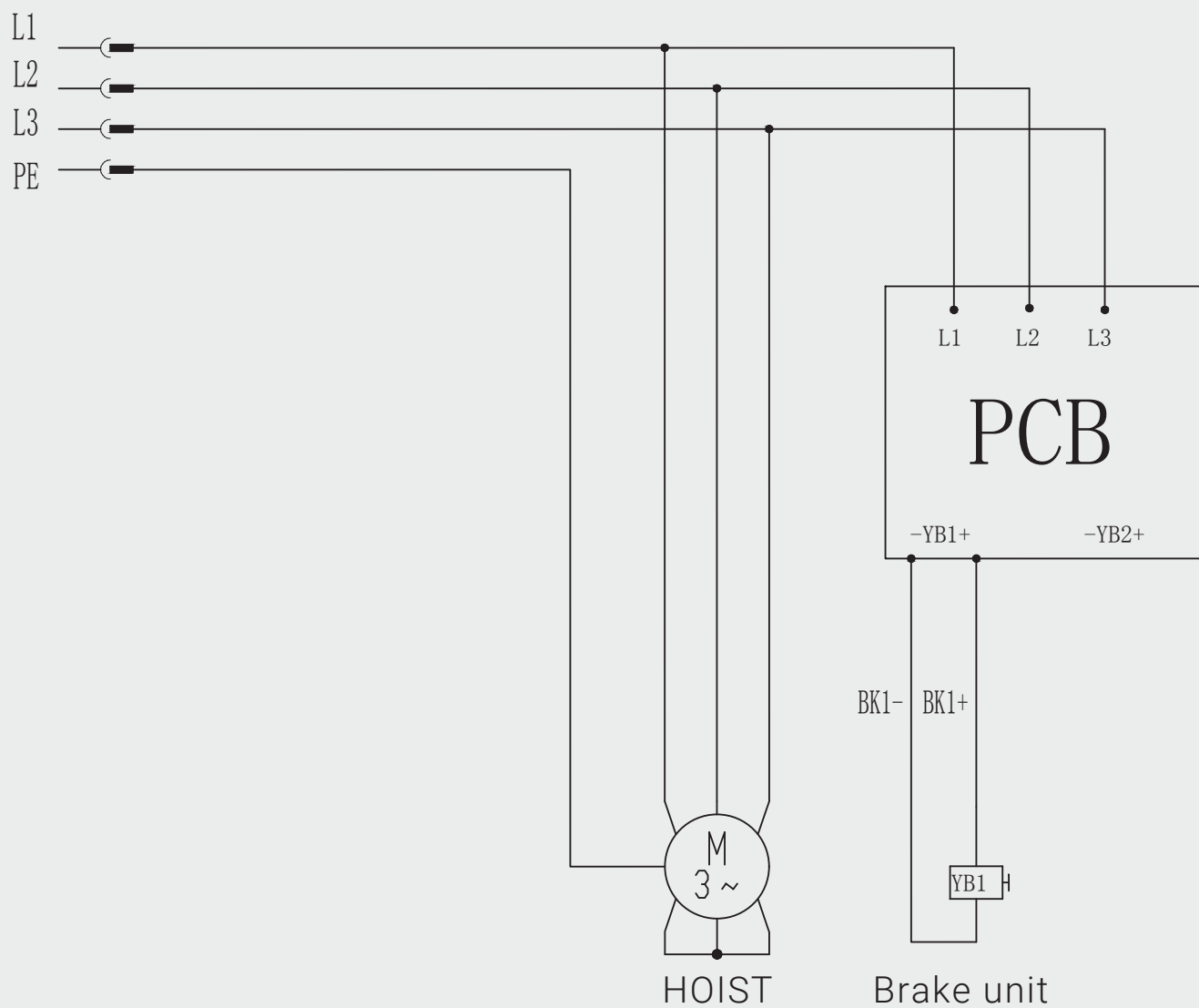
62: suspension nut

ELECTRICAL WIRING DIAGRAM

电器线路图

直接控制-单刹 -3ph/High voltage directly control-single brake-3ph

图5/Figure 5



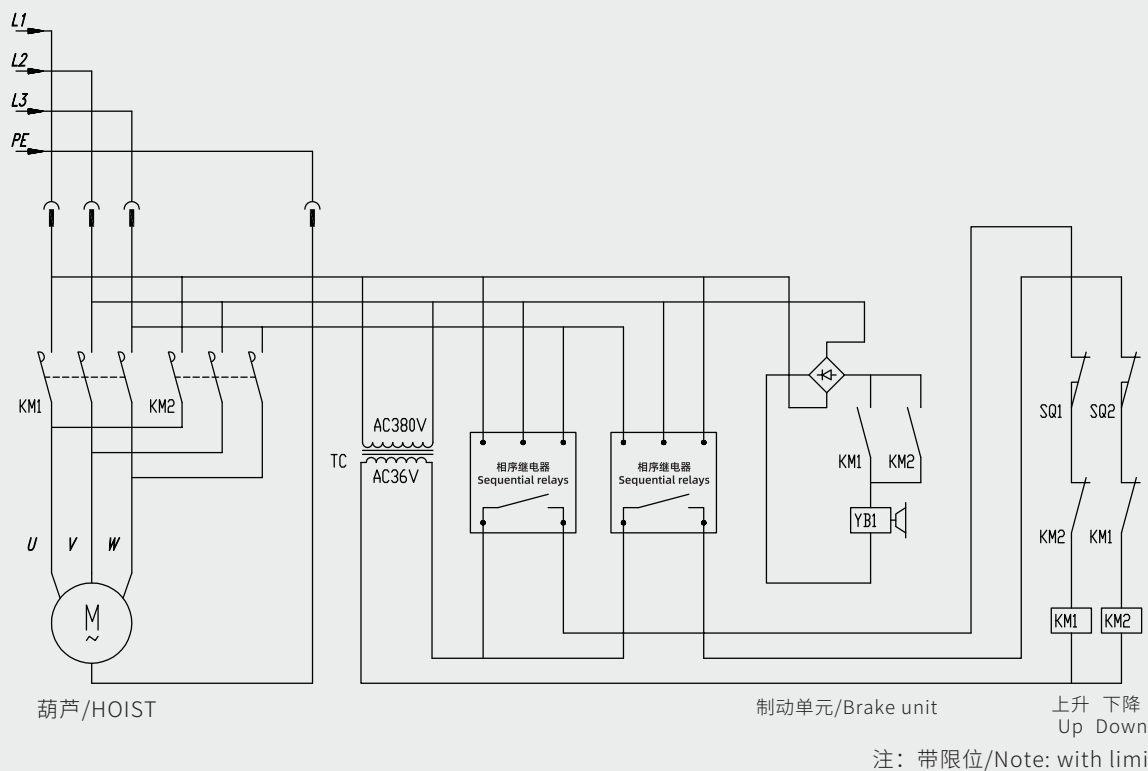
注：不带限位/Note: without limit switch

ELECTRICAL WIRING DIAGRAM

电器线路图

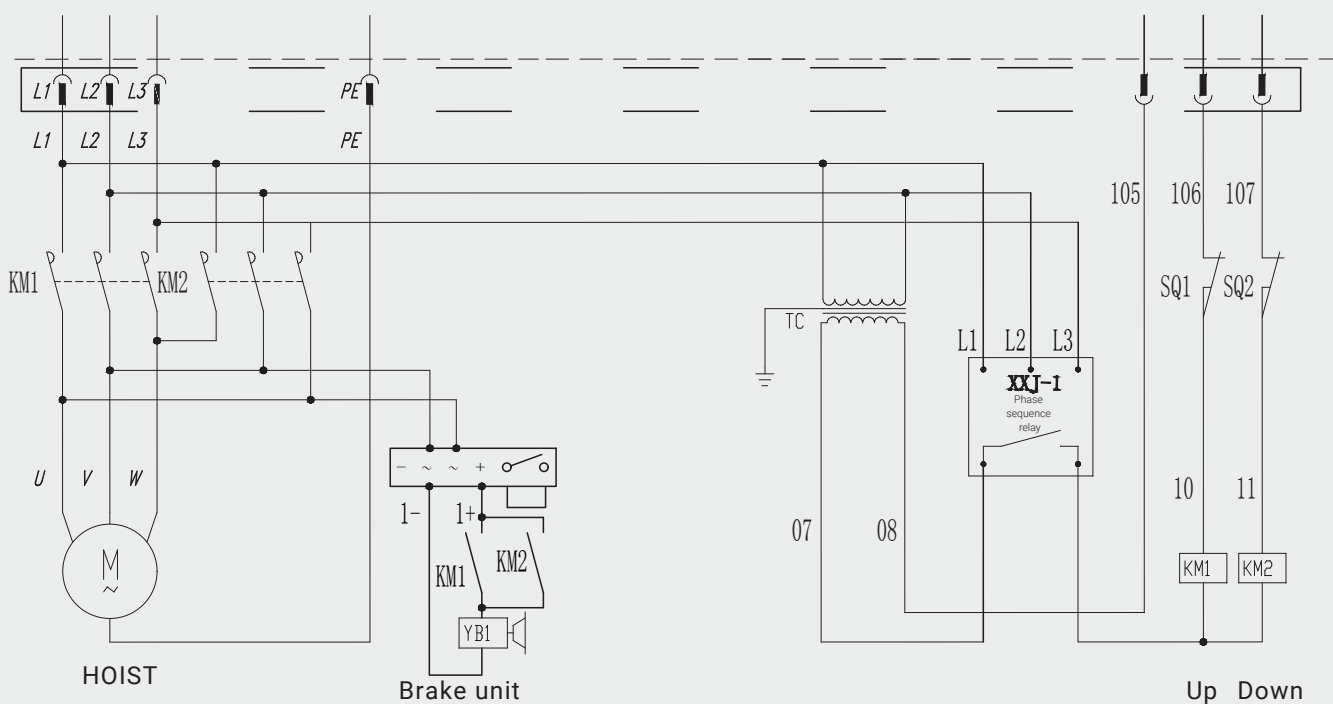
直接控制-单刹-3ph/High voltage directly control-single brake-3ph

图7/Figure 7



低压控制-单刹-3ph/low voltage directly control-single brake-3ph

图8/Figure 8



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