

# K.Ultra

## STAGE ELECTRIC HOIST

K.Ultra 系列舞台电动葫芦

D8

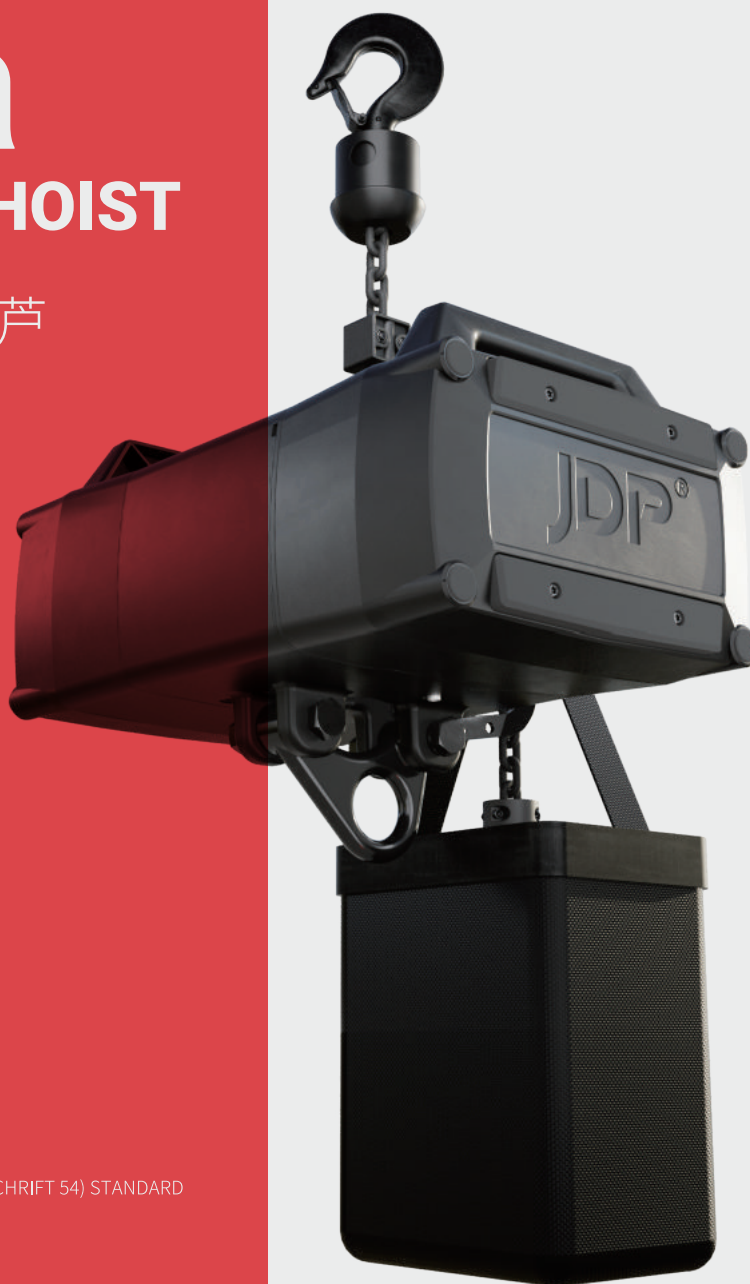
型号/MODEL: K.Ultra D8 1000kg

起升速度/LIFTING SPEED: 4M/MIN

起升重量/SAFE WORKING LOAD: 1000KG

产品符合德国 BGV D8(DGUV VORSCHRIFT 54)标准

THE PRODUCT COMPLIES WITH THE GERMAN BGV D8 (DGUV VORSCHRIFT 54) STANDARD



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无需拆卸即可正倒挂。

Easy forward and reverse hanging without disassembly.

### IP66 grade protection

High strength shell made of die casting aluminum alloy. Corrosion and rust resistance, high sealing performance workable in the rain. easy installation, light weight, good heat dissipation.

### 防护等级IP66

高强度铝合金外壳，压铸一体成型，耐腐蚀，不生锈，高密封性，可在雨中作业，安装方便，自重轻，散热好。

### Helical gear multi-drive transmission

Gears precision grade 6, low noise, safe operation, oil lubricated, maintenance free after sealing. Gear box has the function of temperature regulation for longer life.

### 减速箱多层斜齿传动

齿轮精度等级6级，运行静音安全，齿轮箱采用完全油谷润滑，密封后可实现终身免维护，具有温度调节功能，寿命长。

### Clutch

Wet clutch friction pad. Overload protection, anti-collision. Maintenance free.

### 离合器

湿式离合摩擦片，具有超载保护功能，以及防止冲顶，终身免维护设计。

### Electromagnetic brake

Maintenance free electromagnetic brake for harsh environment. It will lock the brake immediately when power source is off.

### 电磁刹车

断电后第一时间放开，刹车抱死，安全可靠，制动器完全封闭免维护设计，满足恶劣环境工作要求。

### High performance electric motor

Small size, high starting torque, meet high frequency continuous work, insulation grade F, Optional motor overheating protection device.

### 高性能电机

体积小，启动转矩高，满足高频率持续工作，绝缘等级F级，可选配电机过热保护装置。

### G100 grade load chains

8620D alloy steel lifting chain, in line with European EN818-7 standard.

### G100级链条

8620D合金钢起重链条，符合欧洲EN818-7标准。

## 标准配置

- 设备型号：K.Ultra D8 1000kg
- 起重量符合 BGV D8(DGUV Vorschrift 54)：1000Kg 单刹车
- 提升速度 (m/min)：4
- 高压控制：380-415V、3ph、+PE、50/60Hz；  
220-230V、3ph、+PE、50/60Hz (见图5,P9)
- 1m电缆，带CEE-16 / 4
- 链条尺寸 EN818-7 (mm)：71\*21
- 链条重量 (kg/m)：1.1
- 链条等级：G100
- 链条表面：磷化（黑色）
- 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：吊钩悬挂
- 安装方式：自爬或固定 (正挂或倒挂)
- 塑料手柄：无
- 防护等级：IP66
- 不含链条的重量 (kg)：48
- 电机功率 (KW)：1.5
- 电流消耗 (A)：3.7
- 机械等级/FEM9.511：1Bm/25%ED
- 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6,P9)
- 悬挂方式 选装 吊钩 (见图2,P6)

## STANDARD VERSION

- Model : K.Ultra D8 1000kg
- SWL acc. BGV D8(DGUV Vorschrift 54) : 1000Kg Single brake
- Lifting speed (m/min) : 4
- High voltage directly control :  
380-415V、3ph、+PE、50/60Hz;  
220-230V、3ph、+PE、50/60Hz (See Figure5, P9)
- 1m Cable with CEE-16/4
- Chain acc. EN818-7 (mm) : 71\*21
- Chain net weight (kg/m) : 1.1
- Grade of chain : 100
- 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: Swivel hook
- Mounting position: Climbing & stationary  
(upside hung&upside down)
- Plastic handles: Without
- Protection level: IP66
- Weight without chain (kg):48
- Motor power (KW) : ca. 1.5
- Current consumption (A): ca. 3.7
- Mechanism class /FEM9.511: 1Bm/ 25% ED
- Color:black, RAL 9005 matt

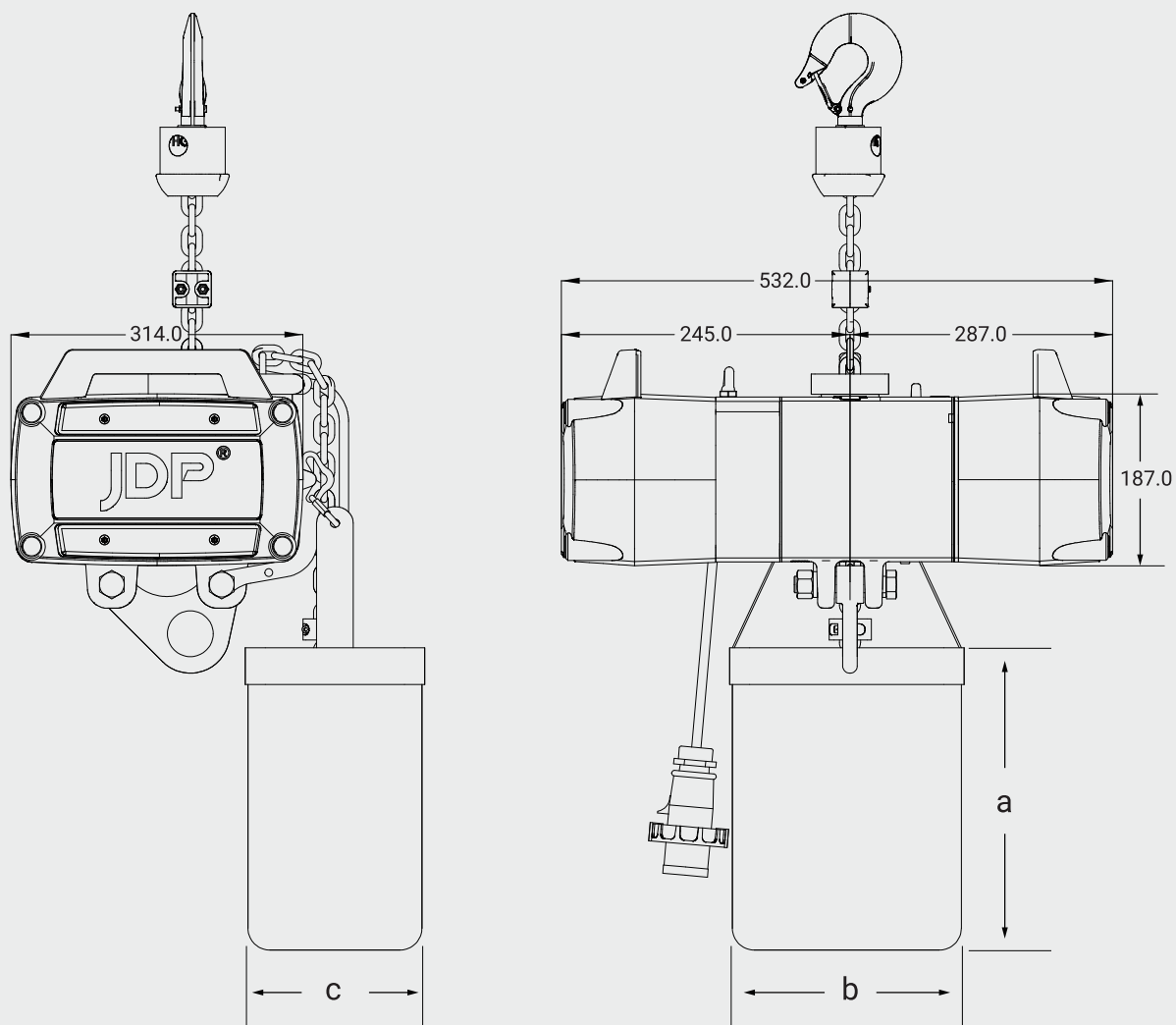
## OPTIONAL

- 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 6, P9)
- Suspension method, optional, hook (See Figure2, P6)

# ELECTRIC CHAIN HOIST SIZE

## 电动葫芦尺寸表

图1/Figure 1



注：单位mm/Note:Unit mm

| 链条袋规格/CHAIN BAG SPECIFICATION |                          |     |     |
|-------------------------------|--------------------------|-----|-----|
| 链条长度<br>CHAIN LENGTH(m)       | 链条袋尺寸/CHAIN BAG SIZE(mm) |     |     |
|                               | a                        | b   | c   |
| 10                            | 200                      | 250 | 180 |
| 20                            | 250                      | 250 | 180 |
| 30                            | 350                      | 250 | 180 |

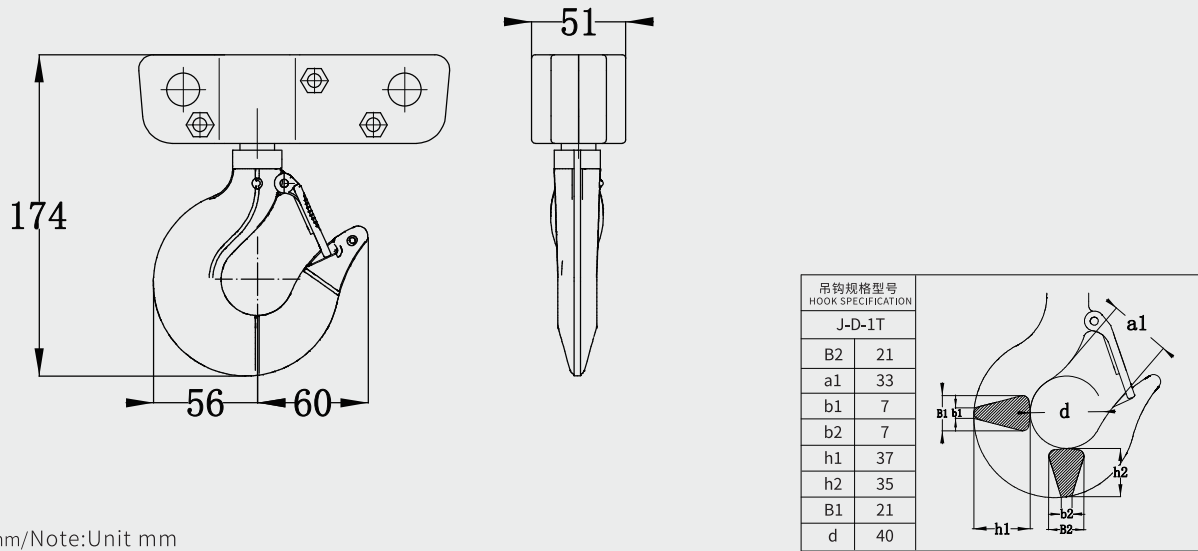
# OPTIONAL HOOK SUSPENSION ASSEMBLY

## 吊挂组件

配置1：360°旋转吊钩悬挂组件

图2/Figure 2

Standard 1: 360° rotating hook suspension assembly

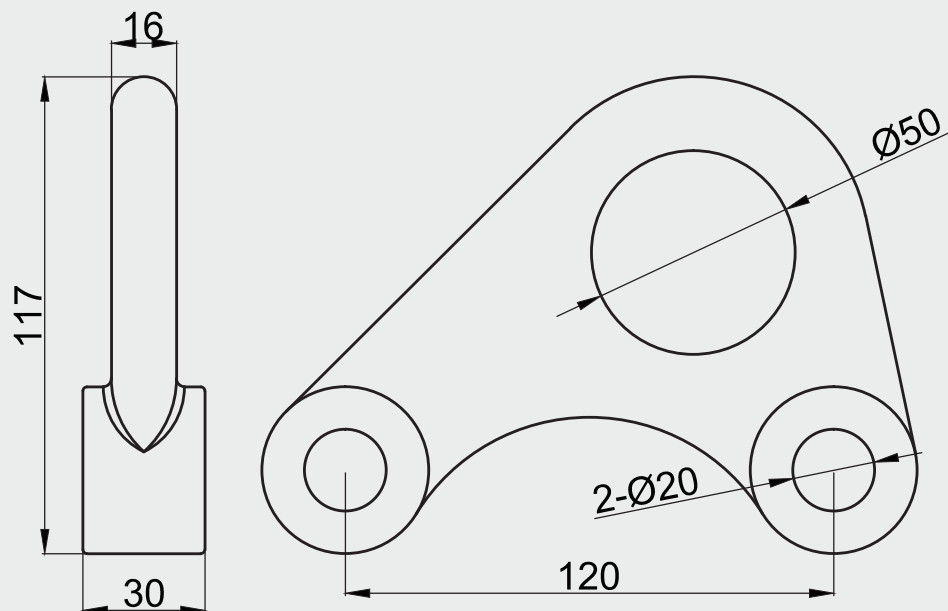


注：单位mm/Note:Unit mm

配置2：吊环组件

图3/Figure 3

Standard 2: Lifting ring assembly

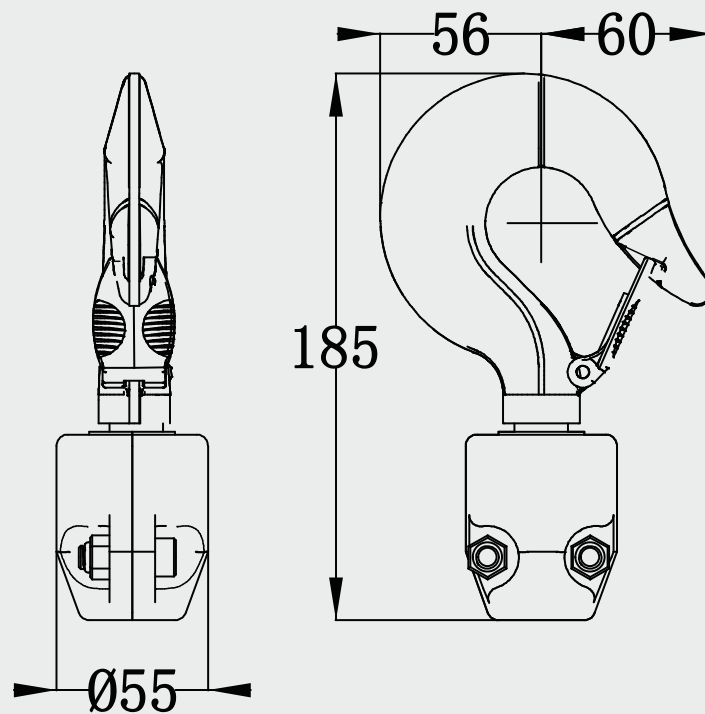


注：单位mm/Note:Unit mm

# HOOK ASSEMBLY

## 吊钩组件

图4/Figure 4



| 吊钩规格型号<br>HOOK SPECIFICATION | a1 | b1 | b2 | d  | h1 | h2 | B1 | B2 |
|------------------------------|----|----|----|----|----|----|----|----|
| J-D-1T                       | 33 | 7  | 7  | 40 | 37 | 35 | 21 | 21 |

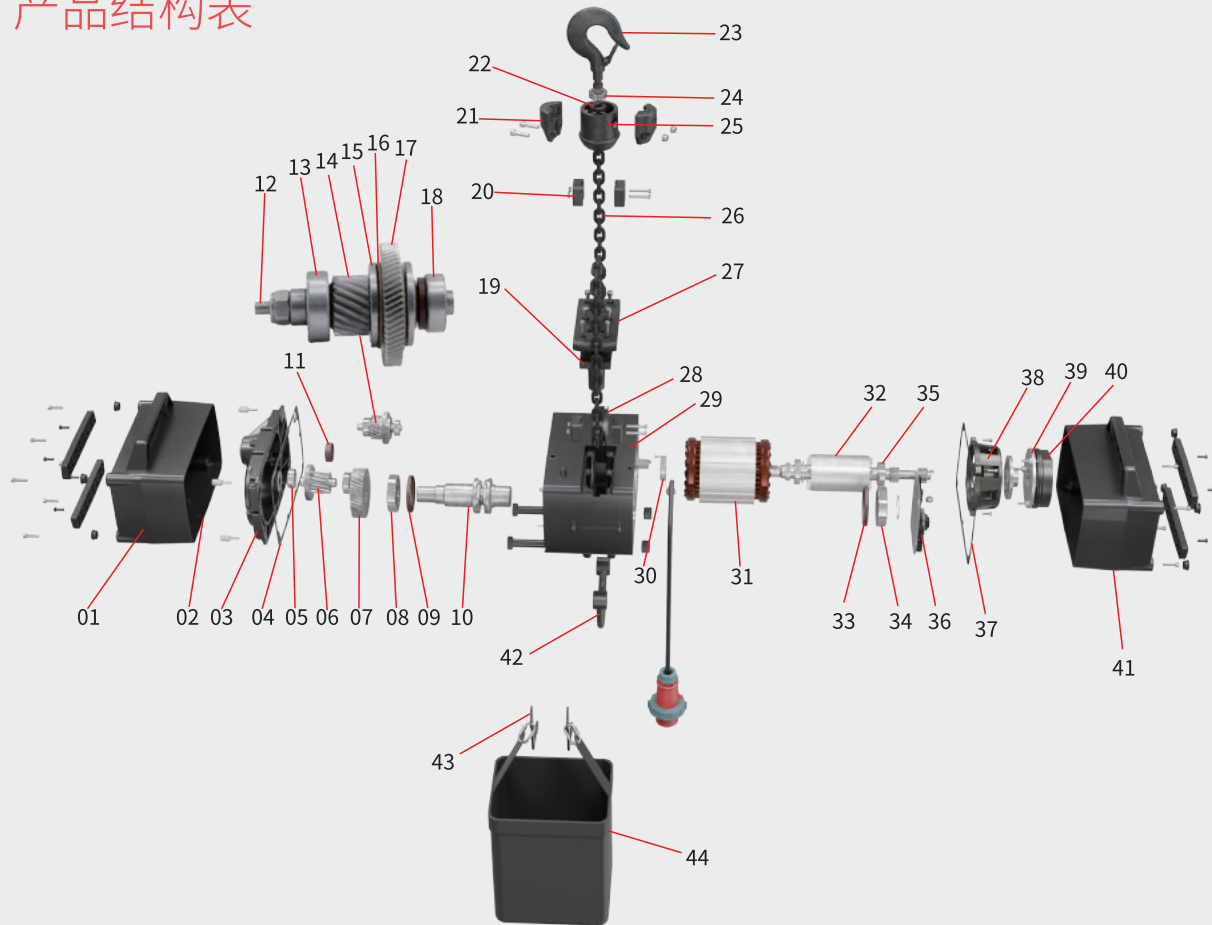
  

Detailed technical drawing of the hook assembly showing dimensions  $a_1$ ,  $b_1$ ,  $b_2$ ,  $d$ ,  $h_1$ ,  $h_2$ ,  $B_1$ , and  $B_2$ .

注：单位mm/Note:Unit mm

# PRODUCT STRUCTURE

## 产品结构表



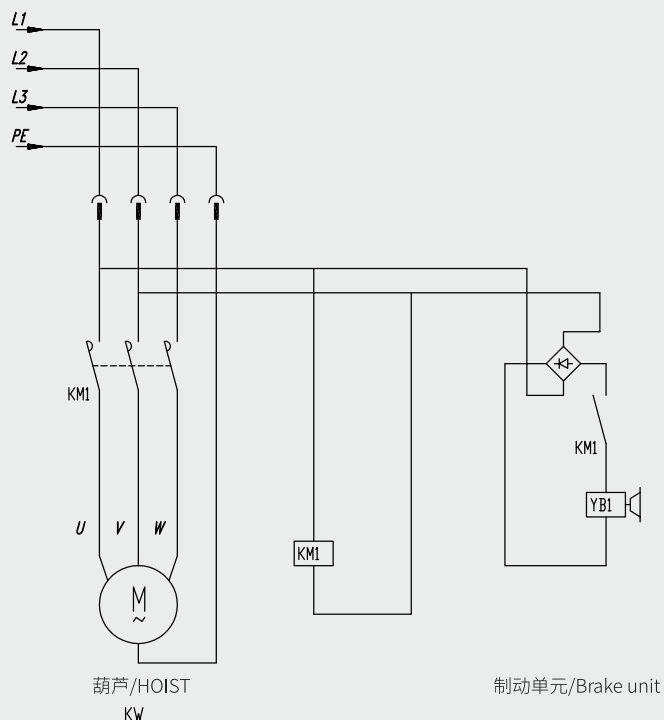
|                                         |                                |                            |                                 |                                |
|-----------------------------------------|--------------------------------|----------------------------|---------------------------------|--------------------------------|
| 01:齿轮箱端前盖                               | 10:起重链轮                        | 20:限位锁块                    | 30:6006轴承                       | 40:电磁刹车                        |
| 02:齿轮箱前盖密封橡胶垫                           | 11:油封                          | 21:下钩夹板                    | 31:定子                           | 41:电器后盖                        |
| 03:齿轮箱盖                                 | 12:6305轴承                      | 22:51104压力轴承               | 32:转子                           | 42:吊环                          |
| 04:齿轮箱端纸垫                               | 13:离合器齿轮                       | 23:吊钩                      | 33:油封                           | 43:链兜插件                        |
| 05:6204轴承                               | 14:离合器压片                       | 24:下钩半圆固定圈                 | 34:轴承                           | 44:链兜                          |
| 06:慢速组合轮                                | 15:离合器摩擦片                      | 25:下钩胶套                    | 35:6205轴承                       |                                |
| 07:慢速齿轮大齿                               | 16:离合器齿轮                       | 26:链条                      | 36:电器                           |                                |
| 08:6208轴承                               | 17:6202轴承                      | 27:尼龙盖板                    | 37:电器端海绵垫                       |                                |
| 09:油封                                   | 18:离合轴                         | 28:半圆护链器                   | 38:刹车网罩                         |                                |
|                                         | 19:尼龙导链架                       | 29:箱体                      | 39:刹车板                          |                                |
| 01:front cover of gear box              | 10:lifting sprocket            | 20:limit block             | 30:6006 bearing                 | 40:electro-magnetic brake      |
| 02:rubber seal for gear box front cover | 11:oil seal                    | 21:down hook splint        | 31:stator                       | 41:rear cover for electric end |
| 03:gear box cover                       | 12:6305 bearing                | 22:51104 pressure bearing  | 32:rotor                        | 42:lifting ring                |
| 04:paper seal for gear box              | 13:clutch gear                 | 23:hook                    | 33:oil seal                     | 43:chain bag connection part   |
| 05:6204 bearing                         | 14:clutch pressing disk        | 24:fixed half ring         | 34:bearing                      | 44:chain bag                   |
| 06:low speed combination gear           | 15:friction plate              | 25:lower hook rubber bush  | 35:6205 bearing                 |                                |
| 07:low speed gear big                   | 16:intermediate gear of clutch | 26:chain                   | 36:electrical equipment         |                                |
| 08:6208 bearing                         | 17:6202 bearing                | 27:nylon cover             | 37:sponge seal for electric end |                                |
| 09:oil seal                             | 18:clutch shaft                | 28:chain protection device | 38:brake net cover              |                                |
|                                         | 19:nylon chain guide           | 29:box                     | 39:brake disc                   |                                |

# ELECTRICAL WIRING DIAGRAM

## 电器线路图

高压直控-单刹-3ph/High voltage directly control-single brake-3ph

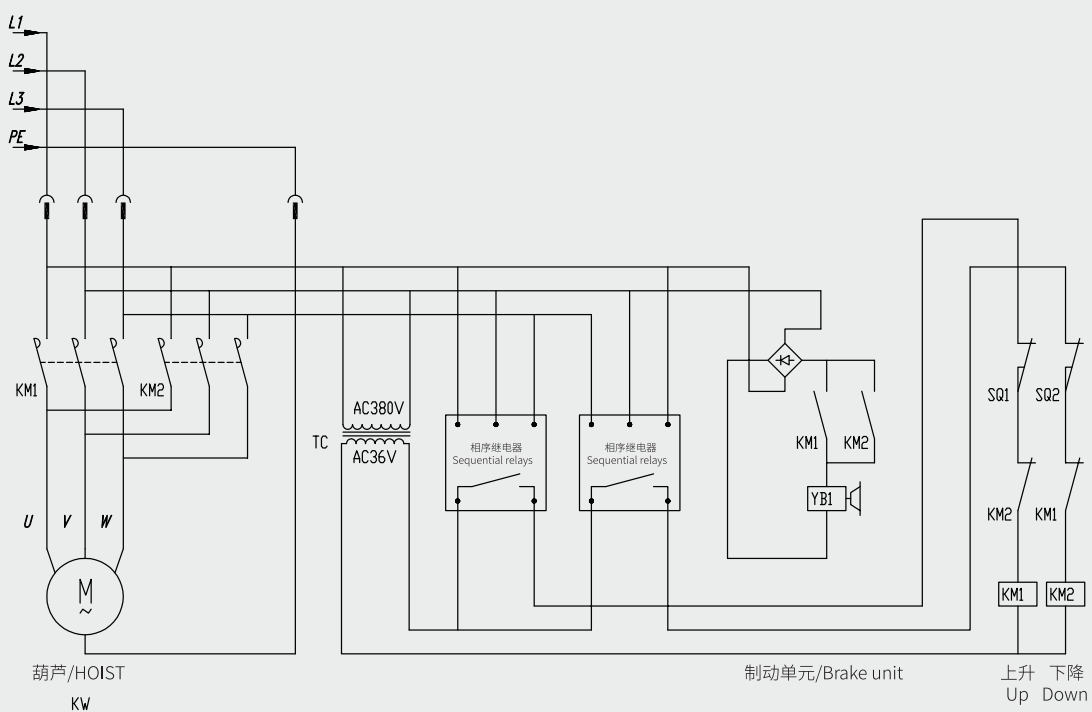
图5/Figure 5



注：不带限位/Note: without limit switch

高压直控-单刹-3ph/High voltage directly control-single brake-3ph

图6/Figure 6



注：带限位/Note: with limit switch





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