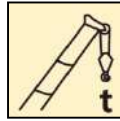


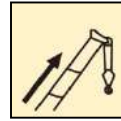
QY40KC 汽车起重机 / Truck Crane

产品简介

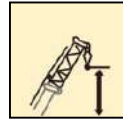
Brief introduction



40 t



44m



60.3m



 XCMG | Machmall.com

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QY40KC



■ **44m超强主臂，高频工况性能更强劲**

■ **44 m super boom, stronger performance in high-frequent use working conditions**

五节44m主臂，单板式臂头、紧凑式臂尾，臂长、起重能力行业领先；中长臂、全伸臂高频工况性能领先10-20%，是中小型工地作业的不二之选。

Five-section boom of 44 m with single-plate boom head and compact boom tail; boom length and lifting capacity take the lead in the industry; 10-20% higher lifting performance when the boom is partially and fully extended and used frequently. This crane is your best choice for middle and small construction sites.

■ **黄金动力传动系统，动力更澎湃**

■ **Optimal power transmission system**

越野型四桥专用G类底盘，继承G一代低速大扭矩平台，兼顾车辆低速爬坡性能和高速转场性能，最大爬坡能力45%，最高行驶车速90km/h，动力性能行业领先。

Off-road specialized four-axle G-class chassis with low speed large torque power transmission system equipped, features higher climbing capacity at lower speeds and job site transfer capacity at higher speeds, i.e. maximum grade ability of 45% and a maximum travel speed of 90 km/h.

■ **专有复合液控技术，效率更高**

■ **Exclusive control technology of simultaneous movements, more efficient**

专有双泵自动分合流控制技术：起升、变幅、伸臂单独动作时，双泵合流供油，作业高效；复合动作时，双泵自动分合流控制，可实现任意工况复合，复合动作操控性能优异；精准作业时，单泵切换，吊装作业微动性及操作平顺性行业领先。

Exclusive dual-pump automatic confluence control technology: during lifting, elevating or telescoping operation, hydraulic oil supply is from double-pump confluence with high efficiency; during simultaneous movements, dual-pump automatic confluence control contributes to excellent control of simultaneous movements; during operations for accurate control, it is switched to a single pump for hydraulic oil supply, contributing to industry-leading inching control and smoothness of lifting operations.

■ **高等级电气防护，作业更可靠**

■ **High grade electrical protection, more reliable operation**

电气系统可靠性全面提升：防水防尘插接件、线束分支金属分线器防护、耐高温150℃闭口波纹管，防护等级达到IP67。

Improved electrical system reliability: waterproof and dustproof inserts, high temperature-resistant corrugated pipes, special wire harness closure sleeves and rubber sleeves are used, excellent dust protection, protection level up to IP67.

■ **精雕细琢，细节更精美**

■ **Every detail is crafted**

整机外观细节全新设计，驾驶室内饰全面提升：防尘降噪高密封性两室，精工高光金属拉丝质感装饰，阻燃防滑易除尘精品地垫、热压成型封边无纺布顶棚、全新高精度长度角度传感器、模具成型铝合金臂头接线盒等。

New design of appearance details and improved decoration in driver's cab: cabs with high air tightness, artistic decoration, soft packaging instrument station, flameproof antiskid and easy to clean floor mats, and hot press molding ceiling, new length/angle sensor with high precision and molding aluminum alloy junction box.

■ **贴心人性化，使用更便捷**

■ **Consideration for humanized details, easier and faster operation**

高光LED支腿照明灯，亮度提升40%，寿命提升五倍，大视野卷扬监视镜，卷扬工作更安全；副臂双尖销轴设计，穿轴更方便；起重链轮采用双锥销轴，无需拆卸，穿绳时间节省48%。

High-luminance LED outrigger working lamp, 40% increase in brightness, five times improvement in service life, wide view winch monitoring mirror, safer winch operation, operation. Double cone pins designed for job, due to no need to disassemble.

QY40KC







回转机构

Slewing mechanism

- 单排四点接触球外齿式回转支承，360度回转
- Single-row four-point ball contact external tooth slewing ring, may continuously slew 360°.
- 定量泵-低速大扭矩定量马达液压系统
- Hydraulic system with a constant displacement pump and a low speed large torque constant displacement motor equipped
- 具有动力控制或自由回转的功能，可无级调速
- Power control and free-sliding function are available, and speed may be infinitely regulated
- 回转速度为0-2.5r/min
- Slewing speed is 0-2.5r/min





超强主臂，高频工况性能更强劲

Super boom, stronger performance in high-frequent use working conditions

- 五节44m主臂，单板式臂头、紧凑式臂尾，臂长、起重能力行业领先；中长臂、全伸臂高频工况性能领先10-20%，是中小型工地作业的不二之选。
- Five-section boom of 44 m with single-plate boom head and compact boom tail; boom length and lifting capacity take the lead in the industry; 10-20% higher lifting performance when the boom is partially and fully extended and used frequently. This crane is your best choice for middle and small construction sites.
- 创新单板臂头与紧凑式臂尾结构，搭接比行业最大，吊臂承载力更强。
- Innovative single-plate boom head and compact boom tail structure, best overlapping ratio in its class and stronger boom load-bearing capacity.



专有双泵自动分合流控制技术，效率更高

Exclusive dual-pump automatic confluence control technology with high efficiency

双泵分合流控制技术，起升、变幅、伸臂单独动作时，双泵合流供油，作业高效；

- During lifting, elevating or telescoping operation, hydraulic oil supply is from double-pump confluence with high efficiency.
- 复合动作时，双泵自动分合流控制，可实现任意工况复合，复合动作操控性能优异
- During simultaneous movements, dual-pump automatic confluence control contributes to excellent control of simultaneous movements.
- 精准作业时，单泵切换，吊装作业微动性及操作平顺性行业领先；
- During operations for accurate control, it is switched to a single pump for hydraulic oil supply, contributing to industry-leading inching control and smoothness of lifting operations.

起升机构

Hoisting mechanism

- 定量泵-变量马达开式液压系统
- Open type hydraulic system with variable displacement pump and constant displacement motor equipped
- 行星齿轮减速器、常闭式制动器
- Planetary gear reducer, normally closed brake
- 最大单绳拉力为50KN
- Max. single line pull is 50KN
- 最大起升速度130m/min
- Max. hoisting speed is 130m/min



变幅机构

Elevating mechanism

- 单变幅油缸，可靠性高
- Single elevating cylinder, high reliability
- 采用重力下降方式
- Free-fall for lowering boom
- 使用带负载补偿功能的变幅平衡阀
- Elevating balance valve with load compensation function

QY40KC



动力传动系统

Power transmission system

- 上柴发动机，额定功率251kw，最大输出扭矩1450N.m
- Shanghai diesel engine with rated power of 251kw, and max. torque of 1450N.m
- 陕齿机械变速箱，软轴操纵，全同步器
- Mechanical transmission made by Shaanxi Gear Factory, operated through a flexible shaft, with a synchronizer fitted
- 最高车速90Km/h，最大爬坡能力45%
- Max. travel speed is 90 km/h, and max. grade ability is 45%





黄金动力传动系统，动力更澎湃

Optimal power transmission system

- 越野型四桥专用G类底盘，继承G一代低速大扭矩平台，兼顾车辆低速爬坡性能和高速转场性能；
- Off-road specialized four-axle G-class chassis with G1 low speed large torque power transmission system equipped, features higher climbing capacity at lower speeds and job site transfer capacity at higher speeds.
- 最大爬坡能力45%，最高行驶车速90km/h，动力性能行业领先。
- Maximum grade ability of 45% and a maximum travel speed of 90 km/h. Power performance takes the lead in the industry.

通过性能提升，纵向通过角提升至25°，满足N3G类底盘要求

The chassis is upgraded to N3G by increasing ramp angle to 25°. Pass ability of the whole machine is improved.



悬挂系统

Suspension system

- 前悬架采用钢板弹簧
- Leaf spring suspensions are adopted for front suspensions.
- 后悬架采用橡胶悬架，V型推力杆
- Rubber suspension with V-type push rod for rear suspensions



制动系统

Brake system

- 脚踏板操纵的双回路气压制动。
- Foot pedal operated double-circuit air pressure brake.
- 驻车制动：弹簧储能制动，作用于2、3、4轴车轮。
- Parking brake: spring-loaded brake, acting on wheels of axles 2, 3 and 4.
- 辅助制动：发动机排气制动、发动机缸内缓速制动
- Auxiliary brake: engine exhaust brake and engine retarder brake.



驾驶室

Driver's cab

- 精工高光金属拉丝质感装饰、真皮触感软包仪表台
- Precisely treated bright trim with brushed metal texture and instrument panel with leather texture.
- 阻燃防滑，易除尘精品地垫、
- Flame retardant and skid-proof carpet that is easy to clean.
- 副驾双座椅，可展开为简易卧铺
- A double-seat designed for the co-driver may be used as a berth for rest
- 标配冷暖空调
- Heater and air conditioner are standard





- 防尘降噪高密封性两室,两室耳旁噪音从82.3分贝降低至78.3分贝,减少3分贝
- Cabs with high air tightness, 3 dB(A) noise reduction in noise level at seated position from 82.3 dB(A) to 78.3 dB(A)



- 优化玻璃胶施工工艺,加大涂胶面积,杜绝漏雨
- Optimized construction technology of glass glue, increased glue coating area, no leakage of rain

- 钣金工艺孔增加贴片封堵,避免漏风
- Sealing to sheet metal processing holes, no leakage of wind



驾驶室高品质体验提升

Improvement in driver comfort

- 六项高品质体验提升,打造豪华舒适的驾乘与操作体验:防尘降噪高密封性两室、精工高光金属拉丝质感装饰、真皮触感软包仪表台、阻燃防滑,易除尘精品地垫、热压成型封边无纺布顶棚;
- Six improvements, offering luxurious and comfortable driving and operating experience: cabs with high air tightness, artistic decoration, soft packaging instrument station, flameproof, antiskid and easy to clean floor mats, and hot press molding ceiling

- 热压成型封边无纺布顶棚(两室),材质柔和,接缝紧凑,表面平整,精细化程度高
- Hot press molding ceiling (two cabs), made of soft material, with compact joints and smooth surface



- 线束及管路护套结构优化,减少串风
- Optimized structure of harness and pipeline sleeves, reduced leakage of wind

QY40KC



- 全新高精度长度角度传感器
New length/angle sensor with high precision
- 抗氧化臂头接线盒
Antioxidant junction box



新型外观造型与人性化设计 New appearance and humanized design

- 新一代外观设计，整机刚劲有力，时尚的驾驶室与操纵室新外观，层次感与力量感完美结合；全面的人体工程学分析，人性化细节处理，打造驾驶轻松、操纵舒适，维护便捷的内在品质
- New generation appearance design presents power and vigor, such as the appearance of driver's cab and operator's cab, delivering the feeling of perfect combination of streamlining and strength; with ergonomic analysis and personalized consideration of details integrated, a quality product is created that is convenient to maintain, easy to drive and comfortable to operate.
- 7项整机外观细节全新设计，塑造顶级起重机高端品质。
- New design of seven appearance details, creating high quality of class-leading cranes



■ 年款全新涂装

New coating

■ 全新设计开发，注塑工艺灯支架

Newly designed lamp holder, made by using injection molding process

■ 支腿操纵盒支架

Bracket of outrigger control box



融入蜂巢等元素，打造徐工专属设计
XCMG's exclusive design, with honeycomb elements integrated

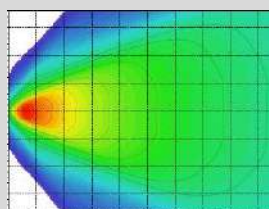
■ 密封堵

Sealing plug

■ 回转防护罩

Protective cover of slewing reducer

QY40KC



- 高光LED支腿照明灯，亮度提升40%，寿命提升五倍
- High-luminance LED outrigger working lamps, 40% increase in brightness, five-times improvement in service life





- **贴心人性化，使用更便捷**
- **Consideration for humanized details, easier and faster operation**
- 高光LED支腿照明灯，亮度提升40%，寿命提升五倍；
- High-luminance LED outrigger working lamps, 40% increase in brightness, five-times improvement in service life;
- 大视野卷扬监视镜，卷扬工作更安全；
- Wide view winch monitoring mirror, safer winch operation;
- 副臂双尖销轴设计，穿轴更方便。
- Double cone pins designed for jib, easier to insert pins.
- 起重钩便捷穿绳系统，无需拆卸楔套，穿绳时间节省48%。
- A portable reeving system, 48% reduction in reeving time, due to no need to disassemble wedge socket.

- 副臂双尖销轴，方便副臂穿轴
- Double cone pins are used for jib. It is more convenient to insert the jib pin.

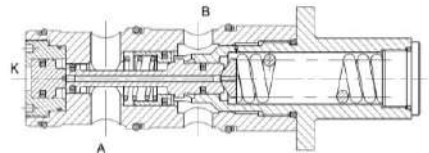


- 卷扬监视镜尺寸由214×162（宽×高）增加至420×220（宽×高），支架可调节
- The size of the winch monitoring mirror is increased from 214×162 (width × height) to 420×220 (width × height) with adjustable support
- 钢丝绳缠绕可视性高，卷扬工作更安全
- High visibility of wire rope winding for safer operation of winch



- 便捷式穿绳系统，无需拆解楔套，穿绳时间由35min降低至18min；
- A portable reeving system leads to reduction to 18 min in reeving time from 35 min, due to no need to disassemble wedge socket.
- 整体式防护，滑轮不易磕碰，安全可靠
- Integral protection, it is not easy to damage sheaves, safe and reliable

QY40KC



- 伸缩平衡阀可靠性提升，仅需1处金属密封，内泄量小，密封性能提升60%以上，安全性更高。
- The reliability of telescoping balance valve is improved, i.e. only one metal seal is required, leading to less inner leakage, 60% improvement in sealing performance and higher safety.





- 百余项精心升级-可靠耐用
- High reliability and top quality
- 全新门锁设计，推拉门可靠性提升，开关更自如，寿命更长久
- Brand-new door lock design and improved sliding door reliability, easy to open and close, longer service life
- 全封闭防水线束、线束分支金属分线器全方位提升产品使用可靠性，使用寿命更长。
- Enclosed water-pooof harness, metal splitter of harness branch, to enhance product reliability and prolong service life.

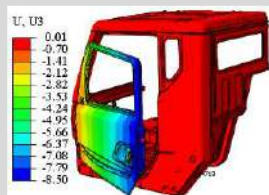
- 推拉门可靠性提升
- Improved sliding door reliability
- 10万次疲劳试验、5万次抨击强化试验，产品市场反馈率由2.68%降至0%。
- 100,000 fatigue tests and 50,000 reinforced shock tests , market feedback reduced from 2.68% to 0%.



线束防护和插件

Harness protection

- 线束分支金属分线器防护、耐高温150℃闭口波纹管
- High temperature-resistant corrugated pipes, special wire harness closure sleeves and rubber sleeves are used, excellent dust protection, protection level up to IP67.



全新门锁设计

Brand-new door lock

- 10万次疲劳试验、5万次抨击强化试验，产品市场反馈率由22.2%降至1.67%。
- 100,000 fatigue tests and 50,000 reinforced shock tests , market feedback reduced from 22.2% to 1.67%.