XCT60_Y 汽车起重机 / Truck Crane

产品简介
Brief introduction

60 t

44 m

59.8 m

XCT60_Y 广泛适用于建筑工地、城市改造、交通运输、港口、桥梁、矿场等场所和其它复杂的作业环境

XCT60_Y Truck crane is widely used for the lifting operations in general engineering projects, such as construction sites, urban renewal, communication and transportation, ports, bridges, and complex working environments.

XCT60_Y

- 五节 “U型”44米主臂，最大起重能力：60吨，最大起升高度：59.8米，性能全面领先。
- 5-section boom of 44m with U-type profile is adopted; the max. lifting load is 60 t; the max. lifting height is 59.8 m; The performance takes the lead comprehensively.
- 整机耐高温设计，45℃持续作业不停机；整机防水和耐腐蚀设计，可靠性和零部件寿命大幅提升。
- The machine is designed to be high temperature resistance, so it can continuously work without downtime in ambient temperature of 45℃. The whole vehicle is also waterproof and corrosion resistant. The reliability and service life of parts are greatly improved.
- 操纵形式（机械或先导）、副臂形式（腹置或侧置）的多样性配置，可满足不同客户的需求。
- Abundant configurations of operating methods (mechanical control or pilot hydraulic proportional control) and jib types (swing-away jib or under slung jib) can meet the requirements of different customers.

XCMG
XCT60_Y

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°.
- 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0-2r/min
- Slewing speed 0-2r/min

超强起重性能

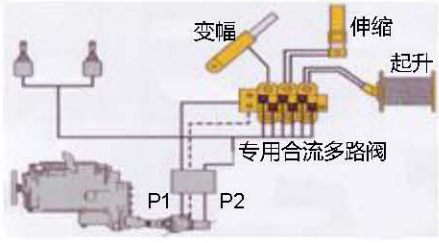
Super lifting performance

- 行业最长五节 44 米“U 型” 主臂，主吊钩最大 13 倍率，性能领先同类产品 5%。顺序伸缩升级为任意伸缩，臂长变换更高效，中长臂性能更高；
- 5-section boom of 44 m with U-type profile is the longest of the same class in the industry; the max. parts of line is 13 for the main hook block. The performance is 5% higher than that of the competitors. The telescoping mode is updated from sequential telescoping to random telescoping. The change of boom length is more efficient, and the performance of medium-long boom is higher;
- 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;

新型节能液压系统

New energy-saving hydraulic system

- 卷扬起落、伸缩伸、变幅起均采用双泵合流技术，变幅、伸缩作业效率全面领先对手。
- Dual-pump confluence technology is applied to the crane movements, such as hook up / hook down, boom out, as well as boom up, so that the working efficiency of elevating and telescoping operation gets ahead of all competing cranes.



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45KN
- Max. single line pull 45KN
- 最大起升速度128m/min
- Max. hoisting speed128m/min

变幅机构

Elevating mechanism

- 单变幅油缸，可靠性高
- Single elevating cylinder, high reliability
- 使用带负载补偿功能的变幅平衡阀
- The elevating balance valve with load compensation function

工况自动规划技术

Automatic working condition planning technology

- 自动推荐最优工况
- Automatically recommend the most proper working conditions
- 简化查询与设置工况过程
- Searching and setting work condition simply

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.

立体空调风道

Three dimensional air vents

- 立体式送风，流速更细腻，避免冷热不均。
- Three dimensional air supply, optimized flow rate, avoiding uneven heating and cooling.

操纵室内即可完成回转锁止操作。
Slewing lock operation can be realized in the operator's cab.

操纵室标配大功率制冷空调，提升空调制冷效果，可适应52℃以上高温环境。
High-power air conditioner is available in the operator's cab with improved cooling effect, which can endure high temperature environment of 52℃.

动力传动系统

Drive train

- 重汽发动机，额定功率247kw ，最大输出扭矩1350N.m
- Heavy truck group engine, rated power 247kw, max. torque 1350N.m
- 陕齿机械变速箱，软轴操纵，全同步器
- Mechanical transmission made by Shaanxi Gear Factory, with synchronizer. It is operated through flexible shaft.
- 最高车速90Km/h，最大爬坡能力38%
- Max. travel speed 90Km/h; max. grade ability 38%

低速大扭矩动力传动系统

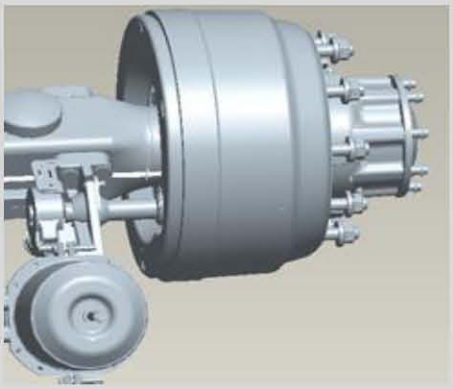
Low-speed large-torque power drive system

- 以低速大扭矩发动机和大速比、超速档变速箱为核心的全新动力平台，驱动性能强，承载能力高，稳定性好；
- The new power system consists of a low speed large torque engine and a transmission with high speed ratio and over drive contributes to strong driving performance, high load-bearing capacity and better stability.
- 实现了高动力性能与低油耗完美融合，行驶油耗降低7%，动力性能提高6%。
- High power performance and low fuel consumption are perfectly integrated, resulting in reduction by 7% in driving fuel consumption, improvement by 6% in power performance.

悬挂系统

Suspension system

- 前悬架采用钢板弹簧
- The front suspension consists of leaf springs
- 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

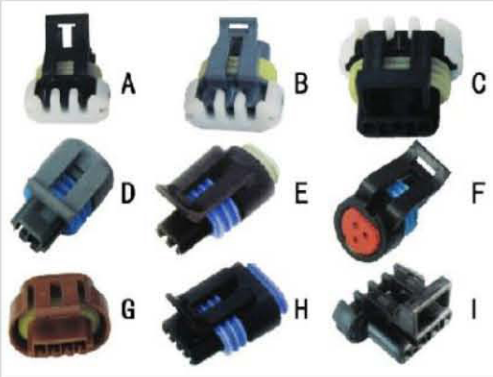
Braking system

- 行车制动：脚踏板操纵的双回路气压制动。第一回路作用于一、二轴车轮上，第二回路作用于三、四轴车轮上。
- Service brake: controlled by foot pedal, double-circuit air pressure brake. The first circuit acts on the wheels of axles 1 and 2, and the second circuit acts on the wheels of axles 3 and 4.
- 驻车制动：弹簧贮能制动，作用于2、3、4轴车轮。
- Parking brake: spring energy brake, acting on wheels of 2,3,4 axles.
- 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+ engine compression brake.

铝合金燃油箱

Aluminium alloy fuel tank

- 外观质量好，耐腐蚀性能强
- Good appearance quality and strong corrosion resistance.



新型外观造型与人性化设计

New appearance and humanized design

- 全覆盖式走台板，铝合金型材，品质感强，独立式轮包，层次丰富；
- Fully covered aluminum alloy deck, strong sense of quality; independent wheel fender, sense of plentiful layers;
- 铝型材防护栏，表面质量高、防腐蚀能强；
- Guard rails made of aluminum alloy, high quality and strong anti-corrosion capacity;
- 全新人机设计把手和扶梯，精良考究工艺制造，攀爬方便可靠。
- Ergonomically designed hand holds and hand rails, made by fine manufacture process, convenient and reliable for climbing.

高可靠性元器件

More reliable component

- 防水插接件，接插件内部带橡胶护套，防水性能极佳，防护等级达到IP67。
- Waterproof components, with protection level of IP67.
- 铝合金燃油箱，外观质量好，耐腐蚀，抗冲击能力强。
- Aluminium alloy fuel tank, good appearance quality, better corrosion resistance, and better shock resistance.

支腿作业灯夜间作业更安全

Outrigger working lamp makes night work safer

驾驶室

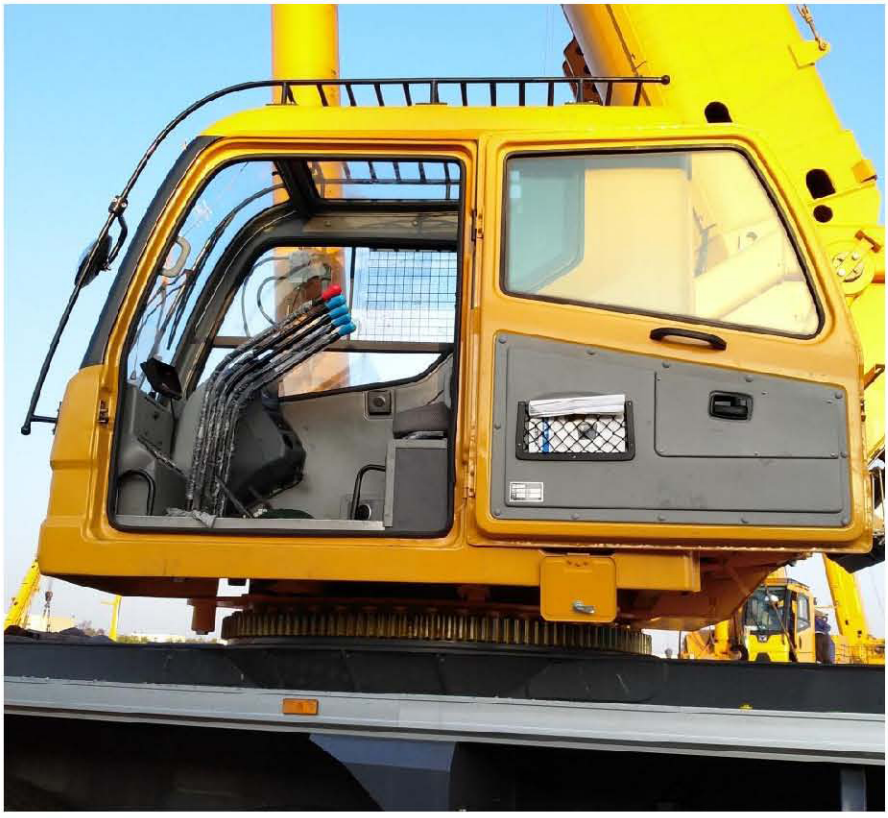
Driver's cab

- 钢结构全宽豪华驾驶室，全封闭，密封性好，防腐蚀、软化内饰，装备豪华舒适。
- New full-dimension enclosed cab, luxury and comfort. It is designed to be leakproof, anti-corrosive and shockproof.
- 配置收放机、可调式座椅、简易卧铺、方向盘、安全玻璃、3只雨刷器、电动后视镜、电动门窗升降器、杂物箱。
- Equipped with radio, adjustable seats, simple sleeper, steering wheel, safety glass, 3 wipers, electrical adjustable mirrors, electrically operated door window and glove box.

徐工人机交互系统

XCMG man-machine interactive system

- 人机交互系统，实现了操作人员与起重机的友好对话。轻松掌控起重作业的各种状态信息，操纵更轻松、便捷
- Man-machine interactive system provides various working information for operator through establishing a friendly dialogue between operator and the crane, making the operation easier and convenient



操纵室

Operator's cab

- 全人机工学工作空间设计,作业更舒适，安全
- Ergonomically designed working space makes operation safer and more comfortable
- 5.7寸真彩色液晶显示屏
- 5.7 inch color screen

- 安全保护、吊装动作、操纵环境三个区域,控制便捷
- Three control areas for safety protection, lifting operation and operating environment make control easier and more convenient

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