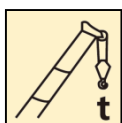


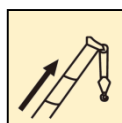
XCT35汽车起重机 / Truck Crane

产品简介

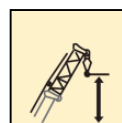
Brief introduction



35 t



42 m



56.8 m





- 焕新品质-舒适好用：16项焕新品质升级，打造豪华舒适的驾乘与操作体验，塑造顶级起重机高端品质。
- Upgraded quality, comfortable and convenient: 16 upgrades of quality for luxurious and comfortable driving and operation experience to build a top-level crane.
- 人性化设计-安心便捷：徐工人机交互系统，提供舒适操作体验；8项暖心人性化细节，安心便捷。
- Humanized design, easy and quick operation: XCMG human-machine interaction system ensures comfortable operation experience; 8 humanized details offer easy and quick operation.
- 百余项精心升级-可靠耐用：全方位提升产品使用可靠性，使用寿命更长
- Hundreds of elaborate upgrades, reliable and durable: enhanced product reliability and prolonged service life from all around.
- 超低油耗-节能经济：新型节能液压系统、行业首创低速大扭矩动力传动系统、发动机ECO模式控制技术，开启徐工绿色节能全新模式
- Extra-low fuel consumption, energy-saving and cost effective: XCMG's green energy mode with new energy-saving hydraulic system, industry initiative low speed large torque power system and engine ECO control.
- 毫米级微动升级-平顺精准：双泵分合流控制技术，起吊精准，操控平顺，微动性能行业最高
- Improved inching control by millimeter level-smooth and accurate: double-pump confluence, precise lifting, smooth operation and the best inching performance in the industry.
- 超强承载能力-转场高效
- Superb bearing capacity and efficient job site transfer.



- 360°精益升级-品质保障：零部件、子系统、整机三级可靠性验证，覆盖10个大系统、28个功能区、80个测试台架；起重机吊臂伸缩系统、转台回转系统、车桥板簧，上百万次的可靠性验证；吊臂、车架、转台三大结构件，机器人智能化焊接率高达90%以上；九大类、180余项质量指标整机检测，产品使用更可靠。
- Overall lean improvement-quality assurance: 3-level reliability verification of parts, subsystems and complete machine, covering 10 large systems, 28 functional zones and 80 testing benches. The boom telescoping system, turntable slewing system and axle's leaf springs have been tested hundreds of times for reliability. For boom, frame and turntable, the rate for robot intelligent welding is above 90%. More than 180 quality indexes for 9 major categories are tested for the complete machine, ensuring consistent and stable product quality.

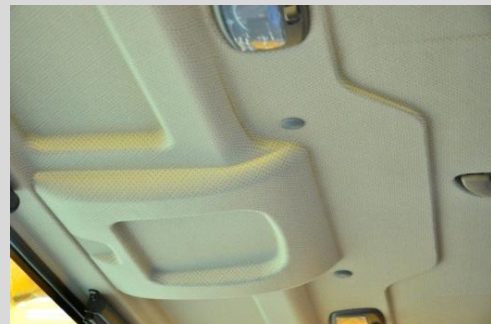
XCT35



驾驶室

Driver's cab

- 精工高光金属拉丝质感装饰、真皮触感软包仪表盘台
- 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.
- 主驾为机械减震座椅，可通过高度调节按钮进行调节
- A mechanical shock absorber seat is adopted for driver, which can be adjusted by height adjusting button.
- 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





徐工人机交互系统

XCMG human-machine interaction system

- 行业首发，用轿车级别的人机交互系统，实现了操作人员与车辆的友好对话。轻松掌控车辆行驶、起重作业的各种状态信息，操纵更轻松、便捷
- First launched in the industry, human-machine interaction system with the level of a car achieves friendly conversation between operator and crane. Information about lifting or driving operations will be known easily, leading to easier and more convenient operation.



两室高品质体验提升

Upgrades of quality of the two cabs

- 八项两室高品质体验提升，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、电加热座椅、双层高遮光率遮阳帘等；
- Eight upgrades of quality of the two cabs for luxurious and comfortable driving and operation experience; dust-proof and noise reduction high-sealing cabs; precisely treated bright trim with brushed metal texture and instrument panel with leather texture; flame retardant and skid-proof carpet that is easy to clean; ceiling made of hot-pressing molding of non-woven fabrics; electric heating seat and double-layer sun shield with better shading.

- 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
- Ceiling made of hot-pressing molding of non-woven fabrics (two cabs); soft materials, meticulous seaming, and smooth surface with high refinement.



操纵室

Operator's cab

- 顶窗双层高遮光率遮阳帘，具备全遮光，半遮光两种效果，满足不同施工环境需求；后窗增加遮阳帘
- Double-layer sun shield is adopted for roof window, which has full shading and half shading effects to meet the requirements of different construction environment. Sun shield is equipped at the rear window.
- 电加热座椅
- Electric heating for the seat is available

XCT35



- 全新高精度长度角度传感器
- Brand-new precise length and angle sensor
- 抗氧化臂头接线盒
- Antioxidant junction box on boom head



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.
- 七项整机外观细节全新设计，塑造顶级起重机高端品质。
- 7 new design details of appearance of a top quality crane.

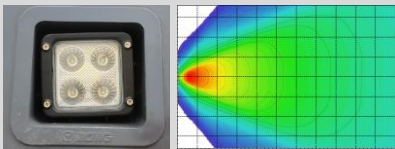


- 全新设计开发，注塑工艺灯支架
- Newly designed injection molding lamp bracket
- 全新3D高透光率尾灯设计
- Brand-new 3D tail light



- 融入蜂巢等元素，打造徐工专属设计
 - Exclusive XCMG design with “honeycomb” elements, etc.
- 回转防护罩
Protective cover for slewing
- 密封堵
Sealing plug

XCT35



- 超大卷扬后视镜，卷扬监视更清晰、视野更开阔；
■ Widened winch rearview mirror brings clearer winch monitoring and wider vision
- 支腿LED作业灯，亮度提升40%；寿命由6000小时提升三万小时；功耗由35W降低至4w
■ LED outrigger working lamp, Brightness is improved by 40%; service life is increased from 6,000 hours to 30,000 hours; power consumption is decreased from 35w to 4w.



八项暖心人性化细节，安心便捷

8 humanized details offer easy and quick operation

- 全方位防滑走台板、洗漱储水箱、轮胎螺栓防松动指示帽、标配倒车影像；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；一体式铸造配重标识，配重组合识别度更高，吊装更安全。
- All-round anti-skid design for the walking surface, water tank for washing, indicator cap of loose bolt, backup camera, 40% brighter LED outrigger lamp with 5 times longer service life; widened winch rearview mirror for safer operation of winch; double cone pins making it easier to insert the jib pin; integrated cast counterweight sign for easier identification of counterweight combinations and safer hoisting.



- 全方位防滑走台板,增加第二方向防滑,防滑效果更好
- The 2nd direction anti-skid design for the walking surface is adopted with better anti-skid effect



- 储水箱,方便用户洗手
- A water tank is equipped to store the clean water for users to wash their hands.



- 轮胎螺栓松动指示帽,方便观察螺栓松动,及时紧固,安全可靠。
- Indicator cap of loose bolt is added on the rim bolt, so loose bolts can be clearly seen, which contributes to improved safety and reliability.



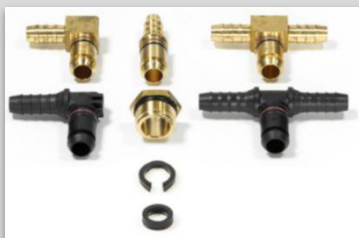
- 倒车影像,显示影像,提升倒车安全性车辆后方
- Backup camera is added to improve safety.

- 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.



- 便捷式穿绳系统,无需拆解楔套,穿绳时间由35min降低至18min
- Reeving system is easy to operate without disassembly of wedge socket. The reeving time is reduced to 18 min from 35 min.

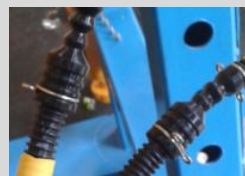
- 配重重量标识,操作更安全
- Weight sign is added on the counterweight with improved operation safety.



管线路可靠性升

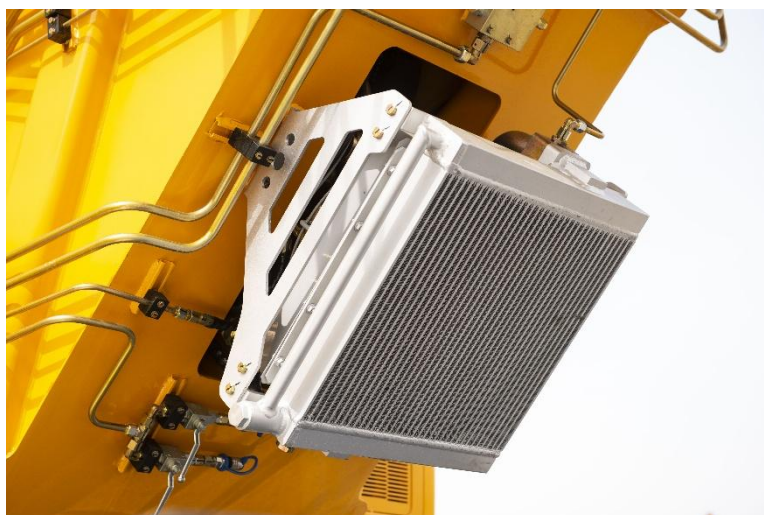
Enhanced pipeline reliability

- VOSS快插，气密性好
- VOSS quick connection with excellent air tightness
- 铝合金储气筒，
- Aluminum alloy air reservoir





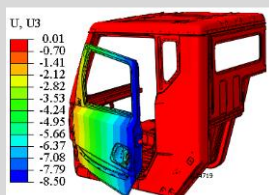
- 百余项精心升级-可靠耐用
- Hundreds of elaborate upgrades, reliable and durable
- 全新门锁设计，开关更自如，寿命更长久
- Brand new door lock design, with easy opening and closing and longer service life.
- 集成电源控制盒、全封闭防水线束、线束分支金属分线器、液压马达独立散热散热系统、德国高气密性气路快插接头、铝合金贮气筒等，全方位提升产品使用可靠性，使用寿命更长。
- Integrated PS control box, enclosed water-pooof harness, metal splitter of harness branch, independent radiation of hydraulic motor, Germany pneumatic quick connector with excellent air tightness and aluminum alloy air reservoir to enhance product reliability and prolong service life.



线束防护和插件

Harness protection and connectors

- 线束分支金属分线器防护、耐高温150℃闭口波纹管
- Harness branch is protected by a metal splitter made of closed corrugated pipe resistant to 150℃.



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2.68%降至0%。
- 100,000 fatigue tests and 50,000 reinforced shock tests , market feedback reduced from 2.68% to 0%.



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 0-2.5r/min



超强起重性能

Super lifting performance

- 行业最长五节 42 米“U 型”主臂，主吊钩最大 8 倍率，性能领先同类产品 6%，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 42 m with U-type profile is the longest of the same class in the industry; the max. parts of line is 8 for the main hook block. The performance is 6% 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型臂尾结构，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

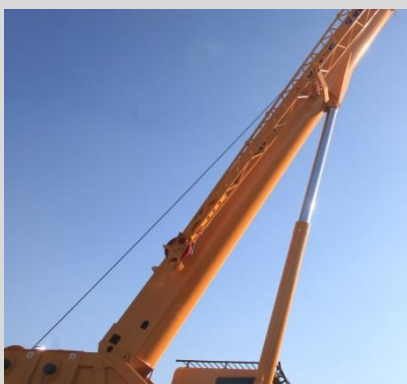
New energy-saving hydraulic system

- 回转最低稳定速度达到 $0.1^\circ/s$ ，起升最低稳定速度（卷筒处） $2.5m/min$ ，起吊精准，更加适合精准吊装作业；
- The min. stable slewing speed is $0.1^\circ/s$. The min. stable lifting speed (drum) is $2.5m/min$. Precise and safe lifting movements can be realized.
- 双泵分合流控制技术，复合动作性能行业最高，作业高效；
- Dual-pump separate and confluent control technology brings higher compound movement performance in the industry with higher working efficiency.
- 液压马达独立散热技术，液压系统热平衡温度在 $80^\circ C$ 以下，高温环境下持续作业不停机，吊装作业安全可靠。
- Independent cooling technology of the hydraulic motor can make the thermal balance temperature of the hydraulic system below $80^\circ C$. It can work normally in the high temperature environment and thus the hoisting operation is safe and reliable.

起升机构

Hoisting mechanism

- 变量泵-定量马达开式液压系统
- The open winch hydraulic system consisting of variable displacement pumps and constant displacement motors
- 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 $46.9kN$
- Max. single line pull $46.9kN$
- 最大起升速度 $130m/min$
- Max. hoisting $130m/min$



变幅机构

Elevating mechanism

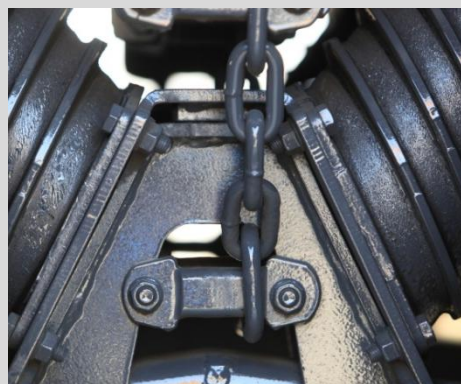
- 单变幅油缸，可靠性高
- Single elevating cylinder, high reliability
- 使用带负载补偿功能的变幅平衡阀
- The elevating balance valve with load compensation function
- 采用平衡阀外控式重力+动力下降方式
- The external-controlled boom gravity fall combined with power lowering boom



动力传动系统

Drive train

- 上柴发动机，额定功率221kw，最大输出扭矩1400N.m
- Shanghai diesel engine, rated power 221kw, max. torque 1400N.m
- 陕齿机械变速箱，软轴操纵，全同步器
- Mechanical transmission made by Shanxi Gear Factory, with synchronizer. It is manually operated through flexible shaft.
- 最高车速90Km/h，最大爬坡能力42%
- Max. travel speed 90Km/h, Max. grade ability 42%



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12%，动力性能提高15%，作业状态综合油耗降低15%；
- Resulting in perfect combination of high power performance and low fuel consumption, i.e.12% reduction in fuel consumption for driving, 15% for operation, and 15% improvement in power performance.



悬挂系统

Suspension system

- 前悬架采用少片变截面钢板弹簧
- The front suspension consists of tapered cross-section and less leaf springs
- 后悬架采用橡胶悬架，V型推力杆
- The rear suspension consists of rubber suspension and V-type thrust bars,



制动系统

Pneumatic disc brake

- 脚踏板操纵的双回路气压制动。一轴为盘式制动器，二、三轴为鼓式制动器
- Foot pedal operated double-circuit air pressure brake. The disc brakes are used for the first axle, drum brakes are used for the 2nd and 3rd axles.
- 驻车制动：弹簧储能制动，作用于2、3轴车轮。
- Parking brake: spring energy brake, acting on wheels of 2,3 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.