



徐工徐工 助您成功
XCMG FOR YOUR SUCCESS

XC9350

Electrical-drive loader
电传动装载机



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产品简介 Product Overview

▼ XC9350是徐工自主研发的国内最大吨位四轮独立驱动电传动装载机，工作载荷接近40吨，刷新了当前国内最大吨位装载机——徐工LW1400KN的载荷记录；整机关键技术自主研发，打破国际超大吨位装载机技术垄断，成为国际超大吨位装载机的领导者。该机具有使用寿命长、维护成本低、可靠性高等特点，适用于大型露天矿开采、矿卡装卸、短距离运输等工况，是配套徐工110-200吨矿卡的最佳选择。

XC9350 is the self-innovated four-wheel independent electrical-drive loader with operating capacity up to 40 tons, which now is the loader of the largest tonnage refreshing the record of XCMG LW1400KN in the domestic market. The independent development of critical technology makes us the leader of super-large-tonnage loaders by breaking the monopoly of international competitors. The machine is the optimal option for XCMG 110-200-ton mining trucks featuring multiple characteristics including long service life, low maintenance cost and high reliability, etc., and applicable to various conditions including large strip mines, loading by mining trucks, and short-distance transportation, etc.

产品优势 Advantages



- ▼ “交—直—交” 高压电传动系统，传动效率高，反应速度快，具有防溜防滑、跛行返回、自动保护等特殊功能。
AC-DC-AC high-voltage electrical-drive system of high efficiency and quick response, featuring special functions of anti-slip, limp home mode, and automatic protection, etc.
- ▼ 混合动力和能量回收，有效回收“集成式电液制动”产生的能量，并用于驱动轮边电机，减少机械制动磨损。
Hybrid power and energy recovery, with effective recycling of energy generated by integrated electro-hydraulic braking (EHB) to drive the wheel rim motor and minimize the abrasion of mechanical braking.
- ▼ 徐工核心技术“电液比例智能控制系统+电控正流量液压系统+负荷传感电控手柄转向系统”，实现作业过程中铲装、行驶、转向等复合动作的精准、高效。
XCMG core technology of “Intelligent electro-hydraulic proportional control system + electrical positive-flow hydraulic system + electrical load-sensing handle-steering system” to realize accurate and efficient compound actions during operations including loading, driving, and steering, etc.
- ▼ 智能人机可视交互系统，实时、安全、方便、快捷的监控、诊断整车运行信息，拥有全方位的安全保护系统。
Intelligent man-machine interaction system featuring real-time, safe, easy, and fast monitoring and diagnosis of operation as well as the complete safety protection system.

结构件 Structure parts

- 结构件采用低温高强度结构钢，关键受力部位采用高强铸钢件，承载能力强，能够承受各种工况下的扭力和冲击；
The structural parts are made of cold high-strength structural steels, with high-strength casting for critical stress-bearing parts, featuring high loading capacity for torques and impacts under multiple working conditions.
- 徐工特色双摇臂结构工作装置，动臂、铲斗采用高强结构钢、耐磨钢，适应载荷多变的恶劣作业工况；
Unique working device with dual-rocker arm, with the moving arm and bucket made of high-strength and abrasion-resistant structural steels for severe conditions with variable loads.

传动系统 Drive system

- 多级行星轮系构成的轮边减速器总成，传动比高，扭矩大。
The hub reducer assembly consisted of multiple-stage planetary wheels featuring a high drive ratio and large torque.
- 免维护传动轴，抗扭能力强，传动平稳可靠。
Maintenance-free drive shaft with high anti-torque capability and reliable transmission.
- 采用高可靠性、多功能组合式仪表，通过CAN总线通信技术，精确检测发动机运行状态，准确读取发动机和分动箱的故障，LED显示屏具有声光报警指示，准确显示整机运行状态。
The high reliability multi-functional combination instrument equipped accurately monitors the running status of the engine and accurately reads the malfunctions of engine and transmission via CAN bus communication technology. With sound-light alarm and indication, the LCD screen accurately displays the running status of the whole machine.



节能 高效 High energy-conservation and efficiency

- 发动机、发电机与轮边驱动电机完美匹配，保证效率最大化，大大降低油耗。
Perfect matching of the engine, generator and wheel rim motor to maximize the efficiency and minimize the fuel consumption.
- 交-直-交电传动系统传动效率高，控制水平高，反应速度快，比同级别液力传动装载机节约燃油20%以上。
AC-DC-AC electrical drive system with high efficiency, advanced control technology, and fast response, as well as more than 20% of fuel conservation, compared with other hydraulic-drive loaders with the same capacity.
- 交流鼠笼型电动机具有可靠性好，维修率低，输出扭矩大等优点。
The AC squirrel-cage type motor is featuring high reliability, low maintenance ratio and large output torque, etc.
- 电控正流量工作液压系统，辅以恒功率控制技术，提高了液压系统的节能性、快速响应性、操控性及整机联合作业效率。
The electrical positive-flow hydraulic working system, associated with constant-power control technology, has improved the energy conservation, fast response, and controllability of the hydraulic system and the efficiency of the combination process.
- 负荷传感电控手柄转向液压系统，能够实现精确的机器控制，提升操作者的舒适性。
The electrical load-sensing handle-steering system can realize the accurate control of the machine and improve the comfort of the operator.
- 徐工特色双摇臂结构工作装置，配置具有角度记忆功能的限位传感机构，举升限位、自动放平等功能，使得举升、卸载时，限位准确，减少冲击，避免了大量的重复操作，降低工作强度的同时，使整机工作更加高效。
The unique working device with the dual-rocker arm is configured with the limit sensing mechanism with angle memory, featuring functions including elevating limit, automatic leveling, etc. to ensure accurate limit, reduce the impact and prevent repetitive operations during elevation and unloading. It can not only minimize the working intensity but also improve the operating efficiency of the machine.
- 混合动力和能量回收，有效回收“集成式电液制动”产生的能量，并用于驱动轮边电机，减少机械制动磨损。
Hybrid power and energy recovery, with effective recycling of energy generated by integrated electro-hydraulic braking (EHB) to drive the wheel rim motor and minimize the abrasion of mechanical braking.

豪华驾驶环境 Luxurious operating environment

- 徐工新型整体式增压驾驶室，符合ISO防倾翻/防落物标准的ROPS&FOPS驾驶室棚架；
All-new integrated and supercharged driving cab, complying with the requirement of ROPS&FOPS specified in relevant ISO standard.
- 可调气悬浮式流线型减振高靠背座椅，配备副驾驶座椅；
Adjustable and air-suspension seats with high backrest featuring streamline design and shock-absorption, configured with seat for co-driver.
- 车辆运行数据及故障报警项目采用薄膜按键式液晶显示器和可控仪表配合的显示方式；
The operating data, failures, and alarms will be indicated on the LCD metal dome array and the control instruments.
- 采用硅油减震器与车架连接，实现振动柔性传递，驾驶室内震动大幅降低；
The silicone oil shock absorbers are adopted to connect the cab with the frame to realize the flexible vibration transmission and remarkably reduce the jitter within the cab.
- 智能温控大功率冷暖空调系统，增压驾驶室，为您提供了一个温度适宜、超静音、无尘的舒适作业环境；
The high power heating and air conditioning system with intelligent temperature control and the pressurized cab provide you with a super-quiet and dust-free comfortable operating environment with appropriate temperature.
- 操作者耳旁噪音≤75dB。
Noise to the operator ≤75dB.



安全制动 Safety braking

- 电缓行制动：由加速踏板控制，可以在不使用机械制动的情况下使装载机完全停止；
Electrical retarder brake: It is controlled by the accelerator pedal which can stop the machine without applying the mechanical braking.
- 行车制动：液压制动电机制动盘，每个驱动电机采用一个制动盘和制动钳，可以使装载机定点制动；
Service brake: The braking disc of hydraulic braking motor. Each drive motor is configured with one braking disc and one braking caliper to ensure braking on fixed points of the machine.
- 驻车制动：弹簧制动，液压释放驱动电机制动盘，后驱动桥壳内每个电机有一个驻车制动器。
Parking brake: It is the spring braking with the braking disc of hydraulic release drive motor, that each motor inside the rear drive axle housing is configured with one parking brake.
- 通过轮胎内置传感器，实时采集温度、压力数据，保证行车安全。
The real-time collection of temperature and pressure data will be done by the sensors in the tires for safety operation.



倒车监控 Reversing camera system

- 配置倒车监控系统，减少后视盲区，提高作业安全性。
The reversing camera system is equipped to reduce the rearview blind zones and improve the working safety.



维修通道 Maintenance access

- ▼ 45° 自动爬梯，操作人员上下车三点支撑，更加安全舒适；
45° automatic ladder with three-point support for the operator with safety and comfort.
- ▼ 左右两侧通道，配置逃生通道，安全便利；
Left and right aisles with emergency exits with easy access.
- ▼ 整车多处设置检修平台、集中维护点设计，机罩多处采用可旋转式结构，维护保养便利，确保最少的停机时间。
The machine is configured with multiple platforms and points for maintenance and the hood is designed with various rotary structures for easy maintenance and limited duration of shutdown required.



集中快速加注及取样 Centralized and fast filling and sampling

- ▼ 燃油、发动机机油、液压油快速加注，提高加注效率。
Quick filling of fuels, engine oil, and hydraulic oil with high efficiency.
- ▼ 分动箱齿轮油、发动机机油、液压油集中采样，方便快捷。
The centralized sampling of transfer case gear oil, engine oil, and hydraulic oil with easy operation.

集中润滑和集中测压 Centralized lubrication and pressure test

- ▼ 集中润滑系统可自动为各个铰接点加注润滑脂，同时避免因单个润滑点堵塞而导致润滑系统失效。
The centralized lubrication system is to apply greases for articulated points and prevent the failure of the lubrication system due to the blocking of certain lubricating points.
- ▼ 液压系统测压口集中引出，方便系统检测维护。
Integrated pressure test interface of the hydraulic system for easy detection and maintenance.



徐工智能管理系统 XCMG' s intelligent management system

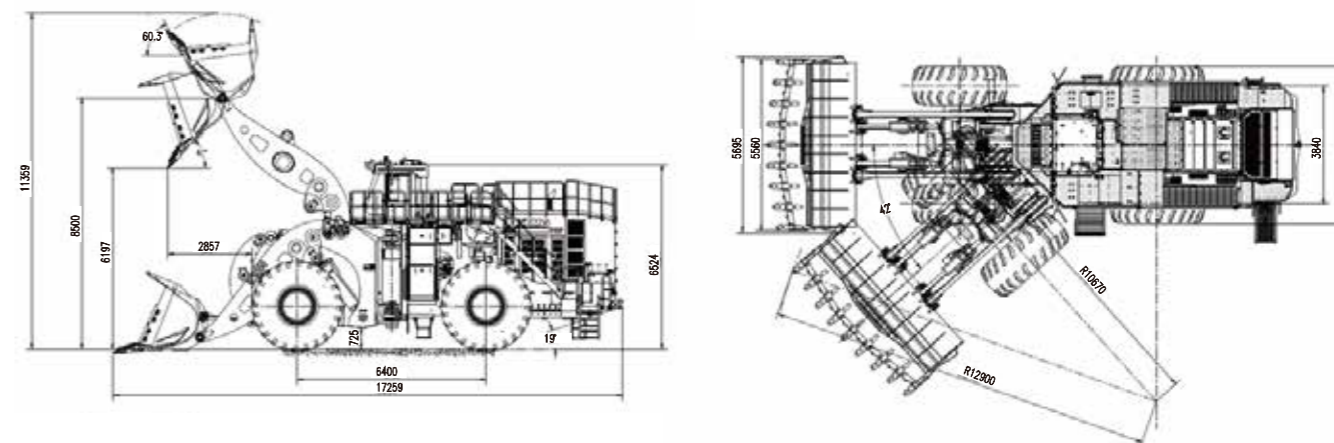
轻松驾驭 一手掌控 Easy driving and easy control

- ▼ 徐工智能管理系统是基于国三设备推出的，用户通过所持手机、PAD、电脑等设备，可实时掌握设备的运营、保养状况；通过数据采集及分析，实现对用户工程精准的评估，保障设备的最佳匹配。
Released on the basis of China-III equipment, the XCMG' s intelligent management system enables the user to master the operation and maintenance status of the equipment via mobile phone, PAD, and computer and, by means of data acquisition and analysis, realize the accurate evaluation on user' s project and guarantee the best matching of equipment.



- 优化设备匹配
Optimized equipment matching
- 提高生产效率
Enhanced productivity
- 提升管理效率
Increased management efficiency
- 减少运营成本
Lowered operation cost
- 降低运营风险
Reduced operation risks
- 优化盈利能力
Optimized profitability

外形尺寸 Overall dimensions



主要参数 Main specifications

项目 Description	参数 Specifications	单位 Unit
轮距 Wheel tread	3840	mm
轮胎外侧宽度 Tire outside width	5110	mm
铲斗宽度 (不带岩石挡板) Bucket width (excluding the baffle for rocks)	5560	mm
铲斗宽度 (带岩石挡板) Bucket width (including the baffle of rocks)	5695	mm
整机最大高度 Maximum machine height	11359	mm
铰销高度 Height of hinge pin	8500	mm
卸载高度 Dumping height	6197	mm
卸载距离 Dumping range	2857	mm
最小离地间隙 Minimum ground clearance	725	mm
轴距 Wheelbase	6400	mm
运料位置整机长度 Length of machine with loads	16915	mm
地面位置整机长宽高 Dimension of the machine on the ground	17259×5695×6524	mm
最小转弯半径(轮胎中心) Minimum turning radius (tire center)	10670	mm
最小转弯半径(铲斗外侧) Minimum turning radius (On outer side of bucket)	12900	mm
轮胎规格 Tire specification	50/65R51 L-5	-
转向角度 Steering angle	42	°
斗容 Bucket capacity	18	m ³
整机工作质量 Operating mass	150000	kg
发动机功率 Engine power	970	kW
发动机额定转速 Rated speed of the engine	1800	RPM
最大掘起力 Maximum breakout force	961	kN
三项和时间 Total cycle time	≤21	s
车速 Vehicle speed	0-20	km/h

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