



XGE150Plus

纯电动宽体自卸车

ELECTRIC WIDE-BODY MINING DUMP TRUCK



额定载重
Rated Load 72000kg

最高车速
Max. Travel Speed 50km/h

2:1堆装
Body SAE Heaped 2:1 42m³



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XCMG OFFICIAL WEBSITE



徐工服务号
XCMG SERVICE ACCOUNT

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01

安全
SAFETY

- 轮胎采用矿区低压轮胎
- 配置胎压胎温监测技术
- The tires use low-pressure tires for mining areas.
- Equipped with tire pressure and temperature monitoring technology.

- 采用ROPS、FOPS驾驶室
- 增加额外的顶部落物保护格栅，对驾驶员多重保护；增加货厢落位物理标识。
- 驾驶室内噪声等级低于72dB(A)
- The vehicle uses a ROPS and FOPS cabin.
- Additional top falling object protection grille is added for multiple protection of the driver. A physical dump body positioning indicator is also included.
- The noise level inside the cabin is below 72 dB(A).

- 大功率缓速电机，满足重载下坡缓行制动需求
- 设置缓速手柄，实现不同档位缓速
缓速力=f(液压盘式缓速+电机缓速)
- High-power retarder motor to meet downhill braking requirements under heavy load.
- Equipped with a retarder handle to achieve different levels of retardation
Retarder force = f(hydraulic disc retarder + motor retarder).

- 前桥制动采用液压盘式制动
中后桥制动采用油冷盘式制动系统
- The front axle braking uses hydraulic disc brakes.
The middle and rear axles use an oil-cooled disc brake system.

- 附加照明设计，采用了更多的前照灯
- Additional lighting design, with more headlights.

- 整车配置称重系统
- 设置超载限速程序
- The vehicle is equipped with a weighing system.
- An overload speed-limiting program is set.

- 标配应急制动系统
- 标配应急转向系统
- Standard emergency braking system.
- Standard emergency steering system.



02 操作舒适/底盘可靠

COMFORTABLE OPERATION CHASSIS RELIABLE

自动集中润滑装置
Auto centralized lubrication system

矿用车辆空调系统
Air conditioning system

驾驶员防疲劳驾驶系统
Fatigue monitoring system

二级滑动座椅
Two-stage sliding seat

维修辅助照明 (轴间照明、维修仓照明)
Service Auxiliary Lighting (Inter-axle lighting, service bay lighting)

55吨轮边减速车桥, 传动速比18.722
55-tonne hub reduction axle with a transmission ratio of 18.722

采用焊接变截面车架、载荷分布更均匀
Welded variable cross-section frame for more even load distribution

重点焊缝100%超声波探伤
Key weld seams undergo 100% ultrasonic testing

全油气悬架, 其中后悬架为油气平衡悬架
悬架行程: 240mm

Full oil-gas suspension, with the rear suspension being an oil-gas balanced suspension
Suspension travel: 240mm

03 高效

EFFICIENT

驱动总成: 四电机并联
额定功率: 840kW
峰值功率: 1200kW
比功率: 6.46kW/t
Drive assembly: Dual-motor drive
Rated power: 835kW
Peak power: 1000kW
Power-to-weight ratio: 6.42kW/t
比功率: 定义
比功率=额定功率/(空载底盘重量+额定载荷)
Power-to-Weight Ratio: definition
Power-to-weight ratio = Rated power / (Empty chassis weight + Rated payload)

双缸中举, 稳定高效
举升时间 ≤ 18s
Dual-cylinder mid-lift, stable and efficient
Hoist time ≤ 18s

独立举升电机
Independent lifting motor

电池冷却系统
采用4 × 10kW, 完全满足车辆1200A
充电时的制冷需求
Battery cooling system
It adopts 4 × 10 kW, fully meeting the cooling requirements during vehicle 1200A charging

转向系统采用全液压转向
Full hydraulic steering system

电池系统容量: 828.67kW · h
电池类型: 磷酸铁锂
充电方式: 4枪充电
充电时间: ≥ 45min (20%~95%)

Battery capacity: 828kW · h
Battery type: Lithium iron phosphate (LiFePO4)
Charging method: 4 charging gun
Charging time: ≥ 45 min (20%~95%)

技术规格 TECHNICAL SPECIFICATION

类别 Item	单位 Unit	参数 Parameter
驱动电机总成 Drive motor assembly		
驱动电机数量及型式 Number and type of drive motors	/	四电机并联 Four-motor parallel connection
型号 Model	/	E840-4Q29K
额定工作电压 Rated operating voltage	V	850
最大功率(额定/峰值) Max. power (rated/peak)	kW	840/1200
变速箱 Transmission		
型式 Type	/	AMT
型号 Model	/	EK-4QMTC-29K
档位数 Number of gears	/	4
电池 Batteries		
电池类型 Battery type	/	磷酸铁锂 Lithium iron phosphate (LiFePO ₄)
标称电压 Nominal voltage	V	832
电压工作范围 Voltage operating range	V	520~949
最大充电电流 Max. charging current	A	2400
SoC工作范围 SoC working range	%	15-100
车桥 Axle		
载重 Payload	t	35+55+55
轮胎 Rim		
型号 Model	t	33-13/2.5

选装配置 Optional Equipment	
止退器 Anti-rollback device	√
称重系统 Weighing system	√
胎压胎温监测系统 Tire pressure and temperature monitoring system	√
驾驶室顶部保护棚 Cab top guard	√
附加照明系统 Additional lighting system	√
货厢落位标识 Dump body positioning marker	√
自动灭火 Auto fire suppression system	√
全景影像 Surround-view system	√
盲区监控 Blind spot monitoring	√
防疲劳监控 Fatigue monitoring	√

轮胎 Tires			
型式 Type	/	低压真空轮胎 Low-pressure vacuum tires	
型号 Model	/	18.00 R33	
制动系统 Brake system			
行车制动 Service brake	/	液压盘式制动 Hydraulic disc brakes	
驻车制动 Parking brake	/	液压盘式制动 Hydraulic disc brakes	
应急制动 Emergency brake	/	液压盘式制动 Hydraulic disc brakes	
缓行制动 Retarder brake	/	电比例液压缓行 Electric proportional hydraulic retarder	
悬架系统 Suspension system			
前悬架型式 Front suspension type	/	油气弹簧 Oil-gas spring	
后悬架型式 Rear suspension type	/	油气弹簧 Oil-gas spring	
举升系统 Hoist system			
型式 Type	/	双缸中举 Dual-cylinder mid-lift	
转向系统 Steering system			
型式 Type	/	全液压转向 Full hydraulic steering	
驾驶室 Cab			
型式 Type	/	FOPS/ROPS驾驶室 FOPS/ROPS Cab	

XGE150Plus辅料大约用量 Auxiliary material consumption (Approximate)			
驱动电机变速箱 Drive motor transmission	齿轮油 Gear Oil	20L	
驾驶室雨刮水壶 Cab wiper water box	玻璃水 Windshield washer fluid	2.4L	
液压系统 Hydraulic system	液压油 Hydraulic oil	650L	
空调系统 Air conditioning system	冷媒 Refrigerant	1200g	
ATS散热器 ATS radiator	防冻液 Antifreeze	130L	
BMS散热 BMS cooling	防冻液 Antifreeze	102L	
前/后悬挂油缸 Front/rear suspension cylinder	液压油 Hydraulic oil	(17.8/58)L	
集中润滑 Centralized lubrication	润滑脂 Grease	7kg	
中/后桥轮边 Middle/rear axle hubreduction gear	齿轮油 Gear oil	(20/20)L	
中/后桥主减 Middle/rear axle final drive	齿轮油 Gear oil	65L	

说明:

1. 本宣传册的图形和信息反映了当时部分机型的技术特点与配置标准, 现有信息和数据源于标准使用情况测试。上述数据与信息仅供参考, 请以实物为准。
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EXPLANATION:

1. The graphics and information in this brochure reflect the technical characteristics and configuration standards of some models at the time and are based on standard usage case testing. The above-mentioned data and information are for reference only; please take the actual object as final.
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重量分布 一近似值 Weight distribution—Approximate

项目 Item	前轴 Front shaft	后轴 Rear shaft
二类底盘 Category II chassis	51%	49%
空载 (U型圆弧底货厢) Empty (U-shaped curved bottom dump body)	44%	56%
满载 (SAE 2:1) Loaded (SAE 2:1)	20%	80%

重量/有效载荷计算 Weight / Effective Payload Calculation

二类底盘重量 Category II chassis weight	48203
空载底盘重量 Empty chassis weight	58170
额定载荷 Rated payload	72000
最大有效载荷 (额定载荷 × 110%) Max. effective payload (Rated payload × 110%)	79200
不超过有效载荷 (额定载荷 × 120%) Not Exceeds effective payload (Rated payload × 120%)	86400

有效载荷计算: 定义

额定载荷 = 机器总重量 - 空载底盘重量
空载底盘重量 = 二类底盘重量 + 货厢重量
最大有效载荷 = 额定载荷 × 1.10 (110%)
空载底盘重量可能随机器配置不同而有所变化。

Effective Payload Calculation: Definition

Rated payload = Total machine weight - Empty chassis weight
Empty chassis weight = Category II chassis weight + Body weight
Max. effective payload = Rated payload × 1.10 (110%)
Empty chassis weight may vary depending on machine configuration.

整机尺寸 OVERALL DIMENSIONS

