



DE170 电传动自卸车

Electric Drive Dump Truck

额定载重 Payload 170 t/190 U.S. ton
180 t/200 U.S. ton

首台交流传动

DE170 电传动自卸车 Electric Drive Dump Truck

性能特点 Performance and Characteristic

■ 技术卓越 Outstanding

- 国内首台170吨级交-直-交电传动自卸车。可实现恒功率控制，无级调速，响应速度快，牵引能力强，电制动简单安全，寿命长，运行可靠，维护方便。
- 选用进口液压和制动元件，采用各种智能控制技术，保证卓越的整机性能。
- 拥有150多项专利。

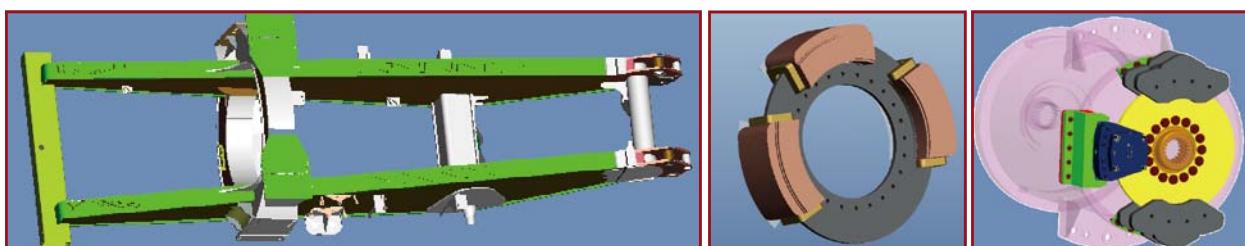
- Application of the most advanced international technology, AC-DC-AC electric drive, constant-power and stepless speed regulation are achieved, with more sensitive response, more traction power, simple structure, longer lifetime, safe and reliable.
- Imported hydraulic and brake components and intelligent control technology ensures excellent overall performance.
- More than 150 patents.



■ 安全可靠 Reliable

- 制动系统分为电制动和机械制动。电制动可实现完全停车；机械制动采用全液压制动系统，具备低速行车制动、停车制动及装载制动等功能。低速制动时（≤5km/h），电制动和机械制动同时作用，制动距离更短，整车安全可靠性更高。
- 短轴距达到转弯直径最小，卡车运转机动灵活，适应坑洼、弯、坡、急转弯等各种工况。
- 车架、货箱均为全焊接结构
车架：大量选用高强度优质合金钢板，在应力集中区域采用覆板和加强肋板。
货箱：采用复合装甲结构，承载能力强，使用寿命长。

- Brake system includes electric dynamic retarder, service brakes, parking brakes and wheel brake locks. Electric dynamic retarder and service brakes both work under the condition of low-speed braking, with shorter brake distance and higher vehicle safety and reliability.
- Short wheelbase, small turning circle diameter insures the truck reliable and competent for various operating conditions.
- Full welded structure of frame and body
Frame: High strength alloy steel, wear plates and reinforcing plates in stress concentration areas.
Body: Composite armor structure, with longer lifetime.



■ 舒适便捷 Comfortable

- 驾驶室视野开阔，内饰美观，六支柱翻车/落物保护结构；配备豪华座椅，带控制手柄的方向盘，冷暖空调，多窗立体送风；驾驶舒适高效。
- 转向、制动与换挡均为电液控制，操纵轻便灵活，手感舒适，减轻了驾驶员的劳动强度。
- 座椅及转向柱上下、前后位置可调，为不同体型的驾驶员提供最大的舒适度。
- 仪表盘、操纵按钮布局合理，双液晶屏显示，直观清晰，驾驶更轻松。

- Advanced operator environment, grand and nice, with wide eyeshot and good sealing, 6-post ROPS/FOPS structure, adjustable seat and steering wheel, cooling-warming air conditioner.
- Steering, brake and shift are controlled by electro-hydraulic, flexible and convenient.
- Seat and steering column can be adjusted in up-down and front-back directions according to your sense.
- Reasonable arrangement of the instrument panel and buttons, and dual LCD display insures comfortable and high efficiency.



■ 动力澎湃 Powerful

- Cummins K2000E发动机，16缸60度V型，水冷，电启动，双涡轮增压，扭矩储备大，整机具有强大的牵引力和爬坡能力。
- 采用高扭矩的发动机和交直交电传动方式，保证整机行驶时效率最大化。
- 双泵合流，液压功率损耗小，动力利用更充分。

- Cummins K2000E engine, 16 cylinders and 60 degree V-type, water-cooling, electronic controlled, dual turbochargers, big torque force, more traction power and strong vehicle climbing ability.
- Application of the high torque engine and AC-DC-AC electric drive maximizes the power.
- Dual-pump confluence technology, less energy consumption and more powerful.

■ 维护方便 Convenient

- 采用集中润滑系统，定时定量地压送润滑油到各润滑点，保证各摩擦处持久正常运行，减少了保养时间。

- Adopt the centralized lubrication system, a controlled amount of lubricant is delivered to designated lube points automatically, limit maintenance time.

DE170 电传动自卸车 Electric Drive Dump Truck

技术规格 SPECIFICATIONS

发动机 ENGINE

发动机型号*	Model*	Cummins K2000E
燃油	Fuel	柴油/Diesel
缸数	Number of cylinders	16
工作循环	Operating cycle	4 cycle
额定功率/转速	Rated power/speed	1492kW 2000HP/1900rpm
最大扭矩/转速	Max. torque/speed	7865 Nm /1500 rpm
起动方式	Starting method	电起动/Electric
怠速转速	Idling speed	725 rpm
重量(湿)	Weight(wet)	5289 kg

*选装: MTU 12V4000C21(欧 I)、12V4000C23R(欧 II) *Optional engine: MTU 12V4000C21 (Euro 1), 12V4000C23R (Euro 2)

电传动 ELECTRIC DRIVE

交直交电传动*	AC-DC-AC CURRENT	
主发电机型号	Alternator	YJ177C
额定容量	Rated capacity	1300 kVA
牵引电动机型号	Traction motor	YJ199A
额定功率	Rated power	590 kW
轮边齿轮减速比	Ratio	30.36:1
最大速度	Max. speed	45 km/h

*选装: GE200T交流电传动系统 *Optional: GE200T electric drive system

轮胎与轮辋 TIRES AND RIMS

标准轮胎	Standard tire	37.00R57无内胎、全钢子午线轮胎 E4
标准轮辋	Standard rim	27.00/6.0

货箱 BODY

货箱底面为9°单坡度结构，具有极佳的承载性能，便于卸载并减少磨损。耐磨板布氏硬度为500。

9° single slope structure bottom, with excellent load capacity, easily dumping and more wearable. Body liners: Brinell hardness 500.

标准平装	Struck	72 m ³
标准SAE堆装 2:1	Standard SAE heaped 2:1	93.5 m ³

驾驶室 CAB

优越的驾驶环境，封闭良好，室内软化，视野开阔，6支柱翻车/落物保护结构，满足ISO3471的要求，配备可调式司机座椅和方向盘，冷暖空调，带清洗器的电动雨刷，操纵手柄和仪表盘布置合理，使用方便，保证驾驶的舒适和高效率。

Advanced operator environment, totally enclosed, soft style, with wide eyeshot and good sealing, 6-post ROPS/FOPS structure satisfied ISO3471, adjustable seat and steering wheel, cooling-warming air conditioner, electric windshield wipers with washer, reasonable arrangement of the manipulation and instruments ensures comfortable and high efficiency.

车架 FRAME

设计 主体为钢板焊接箱型结构，包括两根贯通式纵梁，分体式前保险杆，环形龙门梁，两根抗扭横梁，在应力集中区域采用覆板和加强筋板。

材料 大量选用优质高强度合金钢板，具备优良的抗疲劳强度、抗低温冲击韧性和焊接性能，延长了车架的使用寿命。

Design Full welded box sectional steel structure, with two through type longitudinal beams, split-body front bumper, ring gantry beam, two cross beams, wear plates and reinforcing plates in stress concentration areas.

Material High strength alloy steel with high low temperature impact resistance, good fatigue properties , and good weldability.

制动系统 BRAKE SYSTEM

行车制动	全液压盘式制动系统
前轮	单盘, 三卡钳, 制动盘直径1000mm
后轮	单盘, 两卡钳, 制动盘直径600mm
停车制动	单盘, 单卡钳
紧急制动	液压系统压力低于11.2 Mpa时自动施加
制动锁定	开关起动
电制动	最大功率2400kW, 在低速和倒车工况时仍具有良好的制动性能, 可实现完全停车。
Service brakes	All hydraulic system with disc brake
Front	Single 1000 mm O.D. disc, three calipers
Rear	Single 600 mm O.D. disc, two calipers
Parking brakes	Single, one caliper
Emergency brakes	Automatically applied after hydraulic system pressure lower than 11.2 Mpa
Wheel brake locks	Switch activated
Electric dynamic retarder	Max. 2400kW, with retard capacity at low speeds and retard in reverse propulsion.

悬挂 SUSPENSION

带回弹控制的油气式悬挂，油气比可变。 Variable rate hydro-pneumatic with rebound control.

冷却系统 COOLING SYSTEM

排气型膨胀水箱	Deaerator-type expansion tank
---------	-------------------------------

工作容量 SERVICE CAPACITIES

燃油	Fuel	2600 L
液压油	Hydraulic system	925 L
冷却系统	Cooling system	630 L
曲轴箱*	Crankcase*	280 L
电动轮齿轮箱	Motor gear box	95×2 L

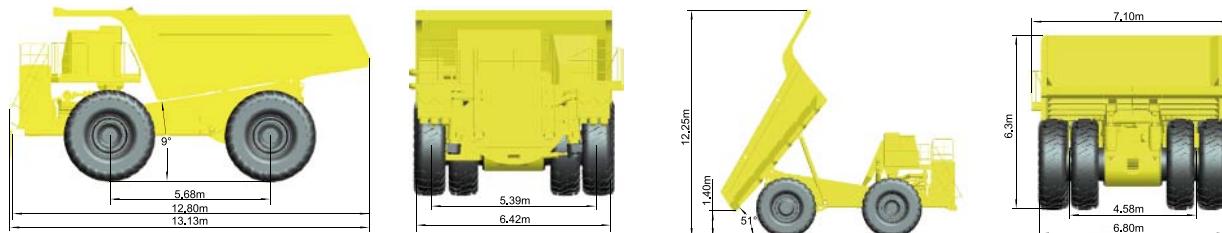
*包括润滑油过滤器

*includes lube oil filters

DE170 电 传 动 自 卸 车 Electric Drive Dump Truck

技术规格 SPECIFICATIONS

尺寸 DIMENSIONS



液压系统 HYDRAULIC SYSTEM

转向	流量放大式动力转向，紧急转向由蓄能器自动提供。
最小转弯半径	13 m
举升	三级双缸，动力迫降
举升时间	20 s
转向泵	恒压变量泵
举升泵	齿轮泵
Steering	Flow amplified power steering. Emergency steering automatically supplied by accumulator.
Min. turning circle radius	13 m
Hoist	Dual 3-stage cylinder, power forced down
Hoist time(Power-up loaded)	20 s
Steering pump	Constant pressure variable volume piston pump
Hoist pump	Gear pump

电气系统 ELECTRICAL SYSTEM

充电发电机	Alternator	24 volt, 300 amp
照明	Lighting	24 volt
起动马达	Cranking motors	Two/24 volt

质量分布 WEIGHT DISTRIBUTION

空载卡车 (湿, 100%燃油, 无选装件, 标准车斗, 标准轮胎)	Empty vehicle weight(wet, 100% fuel, no options, std. body, std. tires)
前车桥	Front axle 57500 kg 50%
后车桥	Rear axle 57500 kg 50%
空载总质量	Total EVW 115000 kg
整车总质量 (近似值)	Gross vehicle weight(Nominal)
前车桥	Front axle 94050 kg 33%
后车桥	Rear axle 190950 kg 67%
总质量	Total 285000 kg
净载荷 (近似值)	Nominal payload 170000 kg
	170t(190 U.S. ton)
	180t(200 U.S. ton)*

*GE配置 (GE system)



标准设备 STANDAND EQUIPMENT

● 空气滤清器	● 收缩式宽座椅安全带	- 水温表
● 消音器	● 上下车梯	- 燃油表
● 控制柜	● 平台安全扶手	● 燃油箱油位指示计（油箱上）
● 24V直流电源	● 灭火器	● 各种仪表
● 制动器，单盘，前轮与后轮	驾驶室：	● 大灯开关
● 液压系统高压过滤器	● MURPHY仪表	● 左侧推拉车，右侧外开门
● 集中润滑系统	● 显示器 (MURPHY PV750)	● 远光灯开关及指示
● 倒车镜，矩形凸面镜	● 冷暖空调	● 方向盘中心喇叭
● 煤用货箱	● 报警/状态指示灯	● 制动踏板
● 货箱过中心装置	- 停车制动报警灯	● 遮阳板 (可调)
● 货箱抗冲击衬板	- 机油压力报警灯	● 可调式方向盘
● 挡石器	- 远光灯	● 雨刷，带喷水功能及清洗器 (电动)
● 挡泥板	- 转向灯	● 照明：
安全：	- 电池电量报警	● 倒车灯，后部安装 (2)
● 全液压行车制动器，自动施加紧急制动	- 行车电缓行报警	● 示宽灯
● 动力转向，带有紧急转向自动施加功能	- 综合报警	● 电器柜维修照明灯
● 24V电路断路器	● 调频调幅收音机，支持USB接口	● 大灯 (6)
● 电喇叭 (前部)，蜂鸣器 (倒车)	● 车速表	● 手动倒车灯
● 散热器风扇护罩	● 发动机	● 停车/尾灯 (2)
● 翻车/落物保护驾驶室	- 转速表	● 转向灯
● Air cleaners	● Wide retractable Seat belts	- Fuel gauge
● Exhaust Muffler	● Ladders	● Fuel gauge in cab and on tank
● Control cabinet	● Protective deck handrails	● Gauges
● Power supply, 24 volt DC	● Fire extinguisher	● Headlight switch
● Brakes: single disc front & rear	CAB:	● Sliding door (LH), out-opening door
● Filters, high pressure hydraulic	● MURPHY instrument	(RH)
● Auto lubrication system	● Display (MURPHY PV750)	● High beam selector and indicator
● Mirrors, rectangular convex	● Cooling-warming air	● Horn (center of steering wheel)
● Coal body	conditioner	● Brake pedal
● Body over center device	● Warning & Indicator lights	● Panel lighting (adjustable)
● Body Impact Plate	- Parking brakes	● Operator seat, steering wheel
● Rock ejectors	- Oil pressure	(adjustable)
● Mud flaps	- High beam	● Windshield wiper and washer
SAFETY:	- Turn signals	(electric)
● All hydraulic service brakes with emergency auto apply	- Battery capacity	LIGHTING:
● Power steering with auto emergency steering	- Dynamic retarding	● Back-up lights—rear mount (2)
● Circuit breakers, 24 volt	- General warning	● Clearance lights
● Horns (electric—front), alarm (back-up)	● AM/FM radio, USB capable	● Control cabinet service light
● Radiator fan guard	● Speedometer	● Headlights (6)
● ROPS/FOPS Cab	- Engine	● Manual back-up light
	- Tachometer	● Stop & tail lights (2)
	- Coolant temperature gauge	● Turn signals



选装设备 OPTIONAL EQUIPMENT

● 岩石货箱	● Rock body
● 集中灭火装置	● Centralized fire extinguishing system

DE170 电传动自卸车

Electric Drive Dump Truck

真诚服务,忠诚信用,用户至上,满足超值需求

GOOD FAITH, LOYALTY CREDIT, CUSTOMER FIRST, TO MEET THE DEMAND VALUE



先进规范的备件体系



快速响应的服务网络



材料和规格可随时改变,恕不另行通知
Materials and specifications are subject to change without notice.

 徐工集团工程机械股份有限公司
XCMG CONSTRUCTION MACHINERY CO., LTD.

地址:中国·江苏·徐州经济开发区工业一区 邮编:221004

Add: Industrial Zone 1, Xuzhou Economic Development Zone, Jiangsu, China

电话 Tel: 欧洲部European & American Dept. +86-516-87739238/87739271/87739228

西亚部Middle East Dept. +86-516-87739252/87739223/87739202/87739251

东南亚部Asian Dept. +86-516-87739234/87739233/87739219/87739290/87739203/87739287

中亚部Central Asian Dept. +86-516-87739239/87739235/87739236/87739282

美大部American & Oceania Dept. +86-516-87739237/87739227/87739273/87739220/87739285

非洲部African Dept. +86-516-87739222/87739276/87739283

传真Fax:+86-516-87739230

网站 Website: www.xcmg.com