

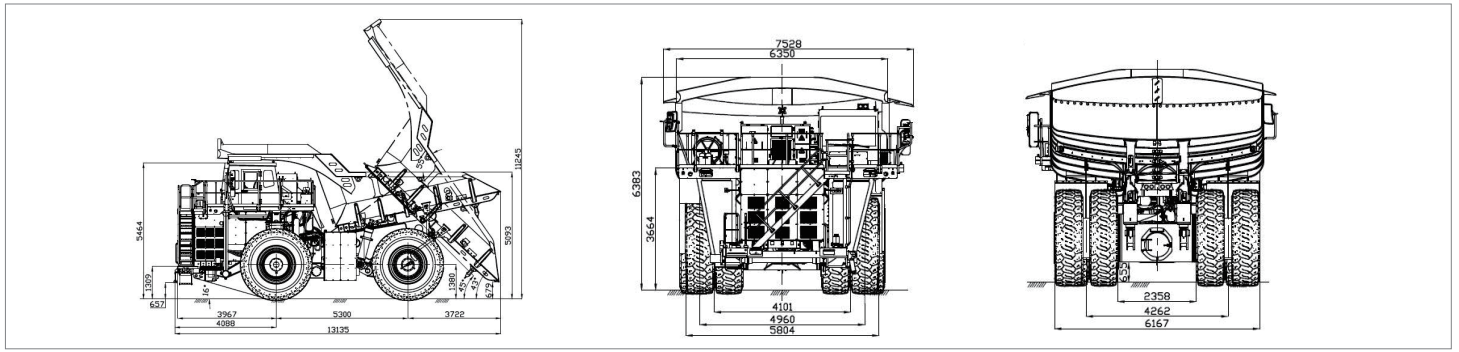
XDE130E

Battery Electric Dump Truck



- Rated pay load (kg): 120000
- Battery capacity (kWh): 1657
- Heaped 2:1 (m³): 78

- XDE130E Battery Electric Dump Truck, equipped with XCMG's proprietary battery pack and AC electric drive system, delivers superior power performance with a maximum speed of 45 km/h, gradeability of 22%, and rated loading capacity of 120 tons. It is suitable for large-scale open-pit mining operations and massive earth-moving projects with an annual production capacity of 10 million tons.



Technical Specifications

Item Contents	Unit	Parameter
Weight Parameters		
Gross vehicle weight	kg	229000
Rated Payload	kg	120000
Unladen weight	kg	109000

Battery Technical Parameters		
Battery type	/	LFP
Battery life	/	4500 Cycles
Battery capacity	kWh	1657
System voltage	VDC	832VDC
Charging protocol	/	国标/MCS GB/MCS
Charge rate	c	1C

Electric Drive System		
AC electric drive system	/	RKE160GH082S-001
Drive type	/	DC-AC
AC electric drive wheel	/	XCMG-M400
Wheel-Hub reduction Ratio	/	33.85:1
Max. travel speed	km/h	45
Maximum gradeability	%	22

Tires and Rims		
Tubeless Radial Tires (Standard)	/	33.00R51
Five-piece rim	/	51-24.00/5.0
Rated Cold Inflation Pressure (Tire)	kPa	750 kPa 109 lbs. / sq. in.
Total tire weight	kg	14040

*The tires should meet application requirements such as tkph/tmph, tread, rubber material, inflation pressure, and ply rating.

Suspension		
Oil / Nitrogen suspension cylinder with overall rebound control		
Max. Front Suspension Travel	mm	320
Max. Rear Suspension Travel	mm	310
Max. lateral swing angle of the rear axle	°	±8.9

Electrical System		
Two 180 CCA,12V maintenance-free batteries, connected in series, installed on the bumper.		
Lighting equipment	V	24
Hydraulic Reservoir	L	650
Front suspension (each)	L	45
Rear suspension (each)	L	33
Cooling system	L	250
Front wheel (each)	L	30
Electric wheel (each)	L	35

Item Contents	Unit	Parameter
Dump Body		
Body Floor Plate	mm	Thickness 20
Front plate	mm	Thickness 12
Side plate	mm	Thickness 12
Top Rail	mm	Thickness 5
Struck capacity	m ³	56
Heaped capacity (SAE 2:1)	m ³	78
Customizable according to customer requirements.		

Brake System			
The brake system meets the ISO3450-2011 standard requirements.			
Service brake	/	Caliper disc brake	
Max. brake pressure	Front axle	MPa	19.3
	Rear axle	MPa	9.65
Brake Disc Diameter	Front axle	mm	1020
	Rear axle	mm	600
Auxiliary brake system	Auxiliary/Backup Brake Supply:When system pressure falls below the set value, the accumulator automatically maintains brake pressure.		
Loading brake	Switch activation, rear-wheel drive brake implementation		
Parking brake	Spring-loaded, hydraulic release		
Electric retarding	kW	Maximum 1250	

Hydraulic System			
Min. turning radius	m	12.9	
Filter	μm	Suction filter 250	
	μm	Return filter 12	
	μm	Hoisting and steering high-pressure filter 12μm	
Hoisting	Two 2-stage double-acting external cylinders with built-in cushioning valves		
Hoisting time	s	17	
Lowering time	s	15	
Hoisting and braking pump	Series gear pump, flow rate 324L/min @ 1800rpm, Hoisting system,flow rate 648L/min @1800rpm;Max. working pressure 17 MPa		
Steering and braking pump	Variable displacement piston pump, flow rate 324L/min @ 1800rpmMax. working pressure 19 MPa		

