



# XDE440

## HAUL TRUCK

**363t**  
Rated Load

**2800kW**  
Engine Rated Power

**250m<sup>3</sup>**  
Body SAE Heaped 2:1



### XUZHOU CONSTRUCTION MACHINERY GROUP IMP. & EXP. CO., LTD

Address: No.1, Tuolanshan Road,  
Xuzhou Economic Developing Zone, jiangsu, China 221004  
Tel: + 86(0)516 8773 9572  
E-Mail: xcmglobal@xcmg.com



@XCMGGROUP | Q



WeChat



Website

Under our policy of continuous product development and improvement, we reserve the right to change specifications and design without prior notice. Featured machines in photos may include additional equipment. Consult your XCMG dealer for available options and attachments.

For more complete information on XCMG products, dealer services and industry solutions, visit us on the web at [www.xcmglobal.com](http://www.xcmglobal.com)

XCMG, Solid To Succeed and [www.xcmglobal.com](http://www.xcmglobal.com), as well as corporate and product identity used herein are trademarks of XCMG and may not be used without permission.

Ref.No.XCMG2605 English

DYBENE440-A26

# XDE440

## DOUBLE-AXLE RIGID MINING TRUCK

### TECHNICAL PARAMETERS

#### Engine

Model	MTU 20V4000C23
Emission standard	China GB20891-2014 NR3 /U.S. EPA Tier2
Fuel	Diesel fuel
Number of cylinders	20
Stroke	4-stroke
Gross power*	2800kW(3800HP)@1800rpm

#### Electric Drive System

AC electric drive system	Wabtec AC Drive System
Drive mode	AC-DC-AC
Alternator	5GTA61
AC electric wheel	5GEB26C4
Wheel gear reduction ratio	32.62:1
Speed (max.)	60km/h

#### Tires and Rims

Tubeless, radial tires, standard tires*	59/80R63
Flange mounted, five-piece rims	44.00/5.0
Rim rated cold inflation pressure: 758 kPa (110 psi) Typical tire (6) total weight	30184kg
* Tires should meet application requirements for their TKPH/TMPH tread, compound, inflation pressure, plyrating, or equivalent etc.	

#### Cab

The ROPS/FOPS cab, which aligns with ISO 3471/ISO 3449 (Level II) standards for anti-rollover/anti-falling object protection, offers a spacious space and a wide vision, with all kinds of display instruments, alarms, lighting devices, control switches, radio and relevant devices completely provided, including an adjustable air-suspending damping high-backrest driver seat, a front passenger's seat, a vehicle computer, electric windows, a tilting and telescoping steering wheel, electric windshield wipers, colored glass and an air-conditioning system with both heating and cooling options. The vehicle running data and fault alarm contents are displayed by means of a touch LCD display plus controllable instruments.

#### Suspension

Variable oil/nitrogen suspension cylinder with integrated rebound control	
Max. stroke of front suspension	228mm
Max. stroke of rear suspension	239mm
Max. lateral swing angle of rear axle	±10.3°

#### Frame

The frame is made up of a pair of longitudinal beams and five cross beams, which together form an enclosed structure. Both the longitudinal and cross beams adopt a box-section structure to help eliminate concentrations of bending and cracking stress. The frame is constructed of high-quality, low-alloy, and high-strength steel, with castings used in high-stress areas to increase the frame strength. All critical welds are 100% inspected using ultrasonic testing.

Installation of drive axle	Connected by pin shaft, knuckle bearing and bushing
Lateral positioning of drive axle	Connected by a lateral stability tie rod

#### Dump Body

High-strength body bottom plates and side plates are used, providing a robust structure and long service life. The bottom plate features a single-slope design for clean unloading and is equipped with safety rope supports, body cushioning pads, and stone discharge devices.

Bottom plate	Thickness 20mm
Front plate	Thickness 12mm
Side plate	Thickness 10mm
Cap plate	Thickness Front 5 6mm, Rear 8mm
Flat loading	190m <sup>3</sup>
SAE 2:1	250m <sup>3</sup>
Standard weight of XCMG Dump Body	48000kg

\*Customizable according to customer requirements

#### Braking System

The braking system complies with the ISO3450-2011 standard

Service brake: full hydraulic drive	
Front brake	Multi-disc wet brake
Front brake pressure	20MPa
Rear brake	Multi-disc wet brake
Rear brake pressure	20MPa

Auxiliary braking system When hydraulic system pressure is below a set value, the system is automatically engaged (pressure supplied by accumulator)

Loading brake	Switch activated, with service brakes applied to rear wheels
Parking brake	Spring applied, hydraulic released
Electric retarder	Max. 4410kW

#### Cooling System

Buffer tube structure radiator, integrated overhead expansion tank, suitable for 5500 meters altitude application pressure cover 14PSI with manual exhaust valve.

Radiator frontal area:	10.47m <sup>2</sup>
------------------------	---------------------

#### Hydraulic System

Variable plunger pump provides steering fluid, with load-sensing, flow amplifying power steering system; steering wheel requires low effort to manipulate, with quick response, high precision, and smooth operation. The accumulator provides emergency steering fluid source.	
Steering	
Turning diameter (SAE)	36.4m
Filter	Oil suction filter 250μm Oil return filter 10μm Lifting and steering high-pressure filter 10μm
Brake components cabinet	Located on the deck behind the cab for easy diagnostics
Lifting	Two 3-stage, double-acting external cylinders with built-in cushion valves
Lifting time	
- Lifting (load)	28s
- Lowering (high idle speed)	25s
- Lowering (low idle speed)	29s
Pump	Double-pump direct drive
- Lifting pump	Gear pump in series connection Max. working pressure:20MPa
- Steering pump	Variable plunger pump Max. working pressure:24MPa
System relief pressure	
- Lifting system	18MPa
- Steering system	27.5MPa
Quick interface helps offer power to the faulty truck and for system diagnosis	

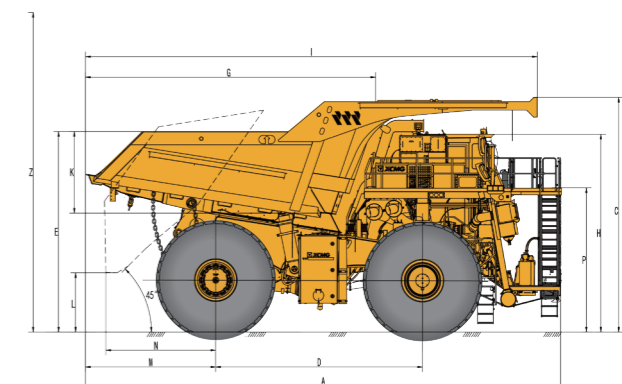
#### Electrical System

6 maintenance-free 975CCA, 12V batteries arranged in series/parallel, mounted on the bumper with a disconnect switch

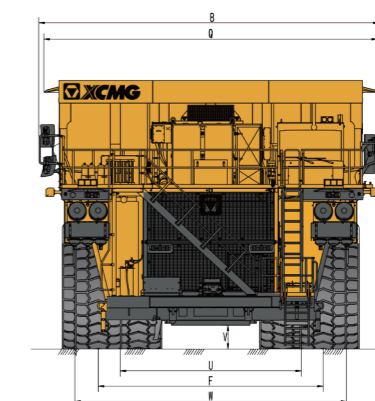
Alternator	24V/250A
Lighting equipment	24V
Starter motor	2个/24V

#### Oil Filling Capacity

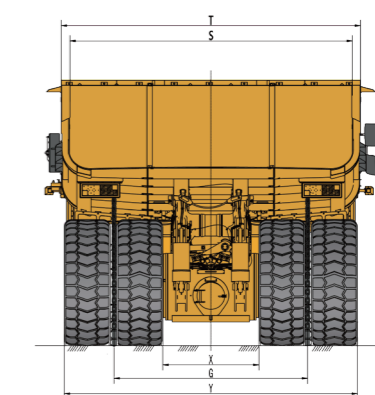
Cooling system	1060L
Crankcase*	300L
Hydraulic system	1700L
Front wheel (each)	102L
Motorized wheel (each)	60L
Fuel tank	5300L



C:8160	H:6740	P:4840	L:15074
G:10830	R:970	D:6650	A:16695
N:4090	M:5090	K:2827	L:1300
E:7160	Z:15160		



B:10120	Q:9610	V:970
U:5264	F:6720	W:8204



T:10060	S:9060	X:2750
G:6244	Y:9430	

\*Standard body, flat loading:190m<sup>3</sup>  
SAE Heaped 2:1 250m<sup>3</sup>  
\*Tire 59/80R63