



MAXIMUM GVW
200000 kg 440,924lb
GROSS HORSEPOWER
895kW 1,200 HP

XEG110 (SF32000DC)

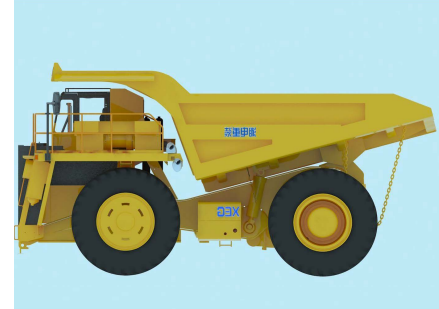


Photo may include optional equipment.

ELECTRIC DRIVE TRUCK

SPECIFICATIONS



ENGINE

*Make and model 1. Cummins QST30(Standard)
 *Make and model 2. Cummins KTA38-C,QSK38(Optional)
 Fuel Diesel
 Number of cylinders. 12
 Operating cycle. 4 cycle
 Rated brake power 895kW **1,200 HP @2100 rpm
 ***Flywheel power 836kW1, **120 HP** @2100 rpm
 Weight (wet) model 5291kg**11, 664 lb**
 * Tier 1 emissions certified. Tier 2 emissions engine is optional.

**Rated brake power is the output of the engine as installed in this machine, at governed rpm and with engine manufacturer's approved fuel setting. Accessory losses included are water pump, fuel pump and oil pump

***Flywheel power is the rated power at the engine flywheel minus the average accessory losses.



ELECTRIC DRIVE

AC/DC CURRENT

Alternator TQFR-783-3H
 Blower 25 m³/min **882.87cfm**
 Control. DC torque control system
 *Motorized wheels ZQDR-328-2
 Ratio 27.3:1
 Speed (maximum). 40 kw/h **24.85 mph**

* Wheel motor application depends upon gross vehicle weight, haul road grade, haul road length, rolling resistance and other parameters. XEMC and G.E. must analyze each job condition to assure proper application.



TIRES AND RIMS

Rock service, tubeless, radial tires

Standard tire 30.00R51

Standard five (5) piece rim

559 mm x 1295.4 mm x 114.8 mm **22" x 51" x 4.5"** rims.

Standard tire weight 1500 kg **3,307 lbs**



BODY

All-welded structure of high-strength low-alloyed steel.Flat floor body include floor sheet, front sheet, side sheet,canopy sheet. Rear wheel rock ejectors, body up sling and rubber mounts on frame are standard. Pivot exhaust heating optional.

Floor sheet 20 mm **0.79"** 1400MPa **203,053 psi**
 tensile strength steel (two-piece)
 Front sheet 12 mm **0.47"** 1400MPa **203,053 psi**
 tensile strength steel
 Side sheet 10 mm **0.39"** 1400MPa **203,053 psi**
 tensile strength steel
 Canopy sheet 6 mm **0.24"** 800MPa **116,030 psi**
 *Struck 48m³ **63 yd³**
 *Standard SAE heaped 2:1 68m³ **89 yd³**
 *Standard XEMC body weight 18100 kg **39,910 lbs**

* Based on 1.7 SG loading material



CAB

Advanced Operator Environment with integral 4-post ROPS/FOPS Level2 (ISO 3471/ISO 3449) adjustable air suspension seat w/lumbar support and arm rests, passenger seat, maximum R-value insulation, tilt and telescoping steering wheel, electric windshield wipers w/washer, tinted glass,power windows, XEMC Payload Weighing System,30,000 Btu/hr and defroster,18,000 Btu/hr air conditioning (HFC - 134A refrigerant).



FRAME

Advanced technology, full welded structure of high-strength low-alloyed steel , fish-bellied griders longn with variable cross-section, integral dragon door grider, rear traction beam with circular, tail boom with circular.

Plate material 600 MPa **87,023 psi**
 tensile strength steel
 Rail width 210 mm **8.27"**
 Rail depth (minimum). 310mm **12.2"**
 Top and bottom plate thickness 32 mm **1.25"**
 Side plate thickness 14 mm **0.55"**
 Drive axle mounting Pin and spherical bushing
 Drive axle alignment Swing link between frame and axle



BRAKING SYSTEM

Service brakes: oil-cooled, hydraulic-actuated, multiple disc brakes at each wheel. Traction system wheel slip/slide control.

Front Wheel speed disc.
 Three calipers on a 946 mm **37"** O.D disc.
 Rear Dual disc armature speed.
 Two 483 mm **19"** O.D.discs per side.
 Two caliper per disc.

Emergency brakes Automatically applied prior to hydraulic system pressure dropping below level required to meet secondary stopping requirements.

Wheel brake locks Switch-activated
 Parking brakes Multiple disc, spring-applied, hydraulically-released, dry brakes on inboard end of each wheel motor rotor shaft. Rated to hold on ±15% grade at maximum gross vehicle weight.

Electric brakes (max.). 1200kW **1609 hp**
 Continuously rated high-density blown grids w/retard capacity at low speeds and retard in reverse propulsion.



SUSPENSION

Hydro-pneumatic suspension of variable rate hydro-pneumatic with integral rebound control.

Max. front stroke 314 mm **12.4"**
 Max. rear stroke 221 mm **8.7"**
 Max. rear axle oscillation ±6.5°



COOLING SYSTEM

Exhaust expansion tank, double circulation cooling system.

Radiator frontal area 2.6 m² **28ft²**



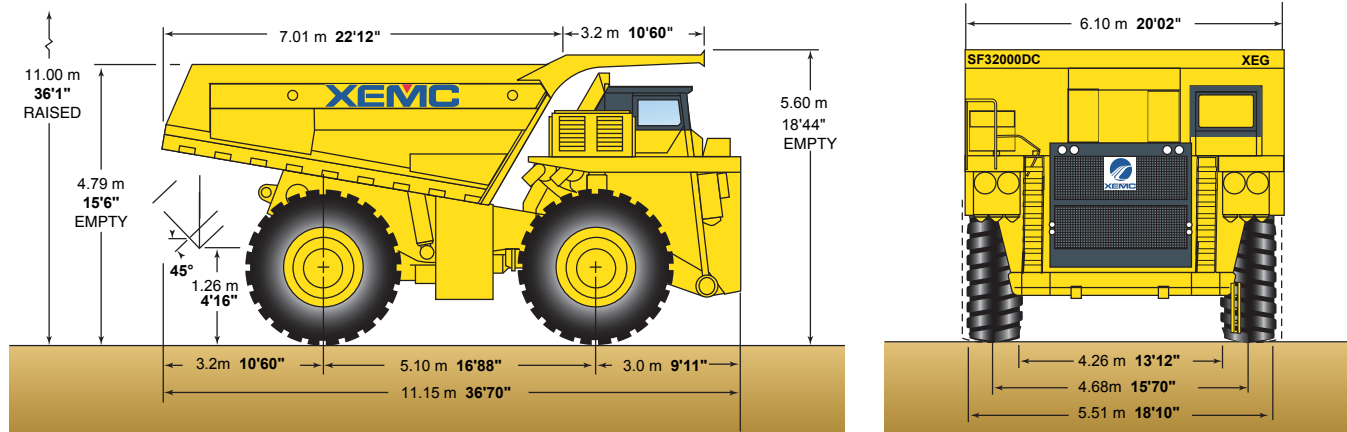
SERVICE CAPACITIES

Cooling system 380 L **110.4 U.S. gal**
 *Crankcase 114 L **30 U.S. gal**
 Hydraulic system 535 L **141.3 U.S. gal**
 Motor gear box 2 x 25 L **2x6.6 U.S. gal**
 Fuel 1160 L **306 U.S. gal**

* Includes lube oil filters



DIMENSIONS



All dimensions are with 68 m³ 89 yd³ body.

Body	Struck	2:1 Heap	Loading Height*
Standard	48 m ³ 63 yd ³	68 m ³ 89 yd ³	4.79m 15'6"

* Exact load may vary due to tire make, type and inflation pressure.



HYDRAULIC SYSTEM

Steering Accumulator-assisted twin cylinders provide constant rate steering. Emergency steering automatically supplied by accumulator.

Turning circle diameter (SAE) 24.6 m 81ft

Reservoir 710 L 187 U.S. gal

Filtration In-line replaceable elements

Suction Dual, full-flow, 100 mesh

Hoist and steering Double, in-line, high-pressure.

Brake component cabinet Above-deck, easily accessible with diagnostic test connections.

Hoist Two 3-stage dual-acting outboard cylinders, internal cushion valve, over-center damping.

Hoist times

- Power-up loaded 20 sec
- Power-down6 sec
- Float-down empty 12sec

Pumps

- Hoist double vane pump with output of 360 lpm **95 gpm** @ 1900 rpm and 17230 kPa **2,500psi**
- Steering and brake double vane pump with output of 230 lpm **61 gpm** @ 1900 rpm and 17230kPa **2,500psi**

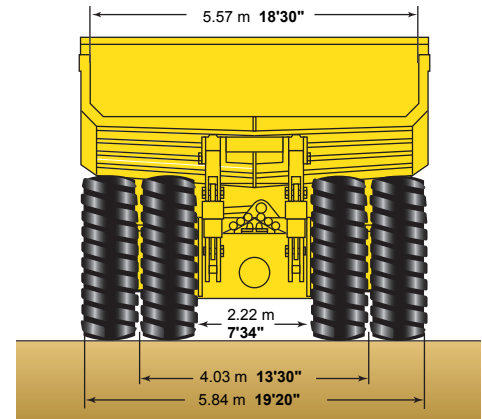
Hoist flow are supplied by both pump while hoisting.

System relief pressures

Hoist 13000 kPa **1,885psi**

Steering and Brake 21000 kPa **3046 psi**

Quick disconnects standard for powering disabled truck and for system diagnostics.



ELECTRICAL SYSTEM

4x12v 900 CCA, 12 volt batteries, in series/parallel, bumper mounted with disconnect switch.

Alternator 24 volt, 140 amp

Lighting 24 volt

Cranking motors two/24 volt



WEIGHT DISTRIBUTION

Empty vehicle weight (wet, 100% fuel, no options, std. XEMC body, std. tires)

Front axle	41400 kg	91,274 lb	46%
Rear axle	48600 kg	107,145 lb	54%
Total EVW	90000 kg	198,416 lb	

Gross vehicle weight (Nominal)

Front axle	68000 kg	149,915 lb	34%
Rear axle	132000 kg	291,010 lb	66%
Total	200000 kg	440,924 lb	
Nominal payload*	110000 kg	242,508 lb	
		121 U.S. ton	

*In general, the nominal payload must be adjusted for the specific vehicle configuration and site application. The figures above are provided for basic product description purposes. Please contact XEMC for specific application requirements.



STANDARD EQUIPMENT

- Air cleaners, Donaldson SSG with dust evacuators
- Alternator (24 volt/140A)
- Auto lubrication system
- Batteries (4 x 12v, 900 CCA 12 volt)
- Battery charging receptacle, 24V
- Body down indicator
- Body over center device
- Brakes: Front Wheel speed disc; Rear: dual disc armature speed
- Electric start
- Filters, high pressure hydraulic
- Gate valves on hydraulic tank
- IGBT control cabinet
- Mirrors, LH flat and RH rectangular convex
- Mud flaps
- Muffled exhaust, right deck-mounted
- On-board load box
- Quick disconnects (steering and hoist)
- Radiator sight gauge
- Removable power module unit (engine, alternator, blower)
- Retard grids, continuous rated, 12 element
- Retard speed control
- Reverse retarding
- Rock ejectors
- Fast-Fill Fuel System (in-tank)
- Hubodometer

OPERATOR ENVIRONMENT AND CONTROL:

- All-hydraulic service brakes with emergency auto apply
- Battery disconnect switch
- Body up fabric cable
- Brake lock and drive system interlock
- Circuit breakers, 24 volt
- Dynamic retarding with continuous rated grids
- Engine shutdown at ground level
- Hoist interlock

- Horns (electric, center of steering wheel)
- Integral roll-over protection ROPS/FOPS Level 2
- Maintenance & power lock-out
- Parking brake with warning light and speed application protection
- Power steering w/auto emergency steering
- Protective deck rails
- Pump drive guard
- Radiator fan guard
- Seat belts 76 mm 3" wide retractable
- Skid-resistant coating on walkways

STANDARD HIGH VISIBILITY CAB:

Instrumentation

- Alarm System warning lights (red)
 - Accumulator pre-charge
 - Coolant low level w/alarm
 - Electric system fault w/alarm
 - Engine coolant high temperature
 - Low engine oil pressure w/alarm
 - Low brake pressure w/alarm
 - stop engine w/alarm
 - Main circuit earthing w/alarm
- Air conditioner HFC 134a
- AM/FM radio, CD player
- Speedometer and digital tachometer
- Dome light
- Engine hourmeter
- Engine shutdown
- Floor mat
- Fuel gauge in cab and on tank
- Fuel low level warning
- Gauges (backlighted)
- Headlight switch
- Heater and defroster (heavy-duty)

- High beam selector
- Indicator lights (amber):
 - Traction state
 - Electric brakes
 - Service brakes
 - Parking brakes
 - Brake locking
- Insulation (Max R-Value)
- Oil pressure gauge (engine)
- Operator seat, adjustable w/air suspension, lumbar support and arm rests
- Panel lighting (adjustable)
- Passenger seat
- Pressurized cab air system
- Starter key switch
- Steering system warning light and buzzer
- Sunvisor (adjustable)
- Tilt and telescoping steering wheel
- Vehicle health monitoring system (VHMS)
- Windshield (tinted)
- Windshield wipers and washer (electric)

LIGHTING:

- Back-up lights (2)
- Clearance lights
- Control cabinet service light
- Dynamic retarding, rear (2)
- Headlights—(4) HID light
- Ladder lights
- Manual back-up light, switch and indicator
- Service light in rear axle
- Stop and tail lights (2)
- Turn signals
- Under-hood service lights



OPTIONAL EQUIPMENT

(Optional equipment may change operating weight).

- Additional high-mounted headlights
- Arctic protection package (suspensions, antifreeze/lube below -40° C)
- Back-up lights, deck-mounted
- Body liners*
- XEMC Payload Weighing System-PLM
- Fire extinguisher 9 kg **20 lb**
- Fog lights
- Hot starts (engine oil, coolant, hydraulic tank)
- Mufflers between frame rails
- Pivot exhaust (heated body)
- PLM Scoreboard Display (RH and LH)
- RS232 port-PLM
- Radiator shutters
- Special language decals

*Available factory installed or non-installed. All other options and accessories listed are available factory installed only.



湘电重型装备有限公司

XIANGTAN ELECTRIC MANUFACTURING GROUP HEAVY-DUTY EQUIPMENT CO.LTD

XEG 湘电重装

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