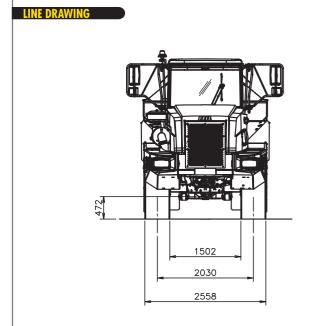
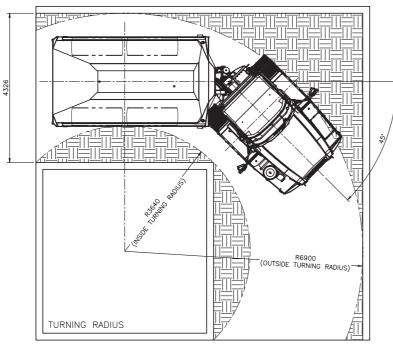
B20D6X4 DUMP TRUCK





What makes the B200 a great performer...

- Supreme driver comfort from a nitrogen over oil strut independent suspension system
- High performance engine with increased power and torque
- Improved cab setting new standards in comfort, sound levels and simplicity in operation
- Extra half tonne payload
- Quicker tip cycles
- Tighter turning circle
- Fewer scheduled service requirements
- Electronic component protection
- Improved service access
- Powerful hydraulic transmission retarder drastically cuts brake use, extending pad-life up to a factor of five
- Conforms to on-road axle road limits and width requirements in most countries



All dimensions are shown in millimetres, unless otherwise stated between brackets.

Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. Photographs featured in this brochure may include optional equipment.



BELL QUIPMENT

ARTICULATED 6 X 4 DUMP TRUCK



key features

• Gross power

Gross torque

170 kw (228 hp) 810 Nm (597 lbf)

• Gross weight 32,805 kg (72,320 lbs)





Mercedes Benz OM906LA Configuration I-6 with exhaust brake and Engine Valve

Brake (EVB)

Aspiration Turbocharged and intercooled Cooling system Single pass radiator & charge air cooler Gross power 170 kW (228 hp) @ 2,200 rpm SAE J1349 Net Power 165 kW (221 hp) @ 2,200 rpm Gross torque 810 Nm (597 lbft) @ 1,050 -1,850 rpm

SAE J1349

Net torque 780 Nm (575 lbft) @ 1,050 -1,850 rpm Displacement 6,37 litres (389 cu.in)

Fuel tank capacity 200 I (58 US gal)

Layout Gear layout Clutch type Torque converter layout Vehicle speeds

ZF 6HP592C with integral retarder Engine mounted box with rear output Constant meshing planetary gears Hydraulically operated multidisc Hydrodynamic, with lock-up in all gears 1st 2nd 3rd 4th 5th 6th R 13 22 31 45 50 9 km/h 13.7 19.3 28 31 5.6 mph

TRANSFER CASE

Output differential

VGR 13 100 Interaxle 50/50 proportional differential, pneumatically lockable whilst stationary or on the move.

Differential type Final drive type Housing type

Bell 14T

Spiral bevel type with Limited Slip Outboard heavy duty planetary Steel fabricated

SERVICE BRAKE

Dual circuit, full hydraulic actuation caliper brakes on all wheels Maximum brake force 164 kN (36,900 lbf) PARK & EMERGENCY Spring applied, air released driveline

mounted disc. Maximum brake force

396 kN (89,000 lbf) AUXILLIARY BRAKE Automatic exhaust brake and Engine

> Valve Brake (EVB) 442 kW (593 hp)

Maximum retardation

(laden)

Tyre: Size Maximum ground pressure

20.5R25 Radial Earthmover

134 kPa (19 psi)

SYSTEM

Front: Type

Flow

linkages supported by nitrogen/oil struts Rear: Type Pivoting walking beams equalize the load on each axle with laminated suspension blocks. Each axle is coupled to the chassis by a system of four rubberbushed links for ideal verticalmovement.

HYDRAULIC SYSTEM Full load sensing system. A grounddriven, load sensing emergency steering pump is integrated into the main system 184 l/min (48.6 US gal/min)

Semi-independent leading arm type

Pressure 25 MPa (3,915 psi) Filter 10 micron

System pressure

PNEUMATIC SYSTEM Air drier with heater and integral unloader valve, serving park brake and auxiliary functions 850 kPa (123 psi)

Voltage

Battery Type Two maintenance free permanently sealed **Battery capacity** 2 x 105 Ah (optional 2 extra batteries) Alternator rating 28 V 80 A

Hydrostatically actuated by two double acting cylinders, with ground-driven emergency steering pump.

Angle +- 45 degrees Lock to lock turns

Capacity: Struck 8,5 m³ (11.1 cu.yd) Heaped, SAE 2:1 11 m³ (14.4 cu.yd) SAE 1:1 13,6 m³ (17,8 cu.yd) Rated payload 18,000 kg (35,683 lbs) Raise time 12 s Power down time 6,0 s Tipping angle 70 degrees

OPERATING WEIGHTS

7,700 kg (17,130 lbs) Empty: Front Middle 3,590 kg (7,915 lbs) Rear 3,350 kg (7,385 lbs) Total 14,710 kg (32,430 lbs)

Laden: Front 8,657 kg (19,085 lbs) Middle 12,147 kg (26,780 lbs) Rear 11,907 kg (26,250 lbs) Total 32,711 kg (72,115 lbs)

ROPS/FOPS certification Tilt cab for service access

- Tinted safety glass
- Rearview mirrors-regular and wide angle
- Wiper/washer withintermittent control
- Tilt and telescoping steering wheel
- Adjustable, air suspension seat with retractable seat belt
- Fold-away trainer seat with retractable seat belt
- HVAC climate control system with filtered and ducted air
- Wheel spanner set
- On board weigh system
- Memory Module
- Radio/CD/Tape

Retarder Integral transmission retarder Ground driven emergency steering

Flashing beacon Work lights

Artic reverse light Electrical horn

*standard specification for machines may vary according to region

