

Configuration

Mercedes Benz OM906LA

I-6 with exhaust brake and Engine Valve Brake

(EVB)

Turbocharged and intercooled Aspiration

Single pass radiator & charge air cooler Cooling system 170 kW (228 hp) @ 2 200 rpm SAE J1349 Gross power

165 kW (221hp) @ 2 200 rpm Net Power Gross torque 810 Nm (597 lbft) @ 1 050 -1 850 rpm

SAE J1349

780 Nm (575 lbft) @ 1 050 -1 850 rpm Net torque

6.37 litres (389 cu.in) Displacement 200 I (58 US gal) Fuel tank capacity

TRANSMISSION

ZF 6HP592C with integral retarder Engine mounted box with rear output Layout Gear layout Constant meshing planetary gears Hydraulically operated multidisc **Qutch type** Torque converter layout Hydrodynamic, with lock-up in all gears

Vehicle speeds 2nd 3rd 4th 5th 6th 40 56 10 16 28 65 10 km/h

6 10 17 25 35 40 6 mph

TRANSFER CA

VGR 13 200

Interaxle 50/50 proportional differential, Output differential

pneumatically lockable whilst stationary or on

the move.

AXLES

Bell 14T

Spiral bevel type with Limited Slip Differential type Outboard heavy duty planetary Final drive type

Steel fabricated Housing type

SERVICE BRAKE Dual circuit, full hydraulic actuation caliper brakes

on all wheels 164 kN (36,900 lbf)

Maximum brake force Spring applied, air released driveline mounted PARK & EMERGENCY

disc.

396 kN (89,000 lbf) Maximum brake force

Automatic exhaust brake and Engine Valve Brake AUXILLIARY BRAKE

(EVB)

442 kW (593 hp) Maximum retardation

20.5R25 Tyre: Size

Туре Radial Earthmover

Maximum ground pressure

134 kPa (19 psi) (laden)

SUSPENSION SYSTEM

Semi-independent leading arm type linkages Front: Type

supported by nitrogen/oil struts

Pivoting walking beams equalize the load on Rear: Type each axle with laminated suspension blocks.

Each axle is coupled to the chassis by a system of four rubber-bushed links for ideal vertical

movement.

Full load sensing system. A ground-driven, load sensing emergency steering pump is integrated

into the main system

184 I/min (48.6 US gal/min) Flow

25 MPa (3,915 psi) Pressure

Filter 10 micron

Air drier with heater and integral unloader valve, serving park brake and auxiliary functions

850 kPa (123 psi)

ELECTRICAL SYSTE

System pressure

24 V Voltage

Battery Type Two maintenance free permanently sealed

2 x 105 Ah (optional 2 extra batteries) Battery capacity

28 V 80 A Alternator rating

Hydrostatically actuated by two double acting

cylinders, with ground-driven emergency

steering pump.

+- 45 degrees Angle

4,1 Lock to lock turns

8,5 m³ (11.1 cu.yd) Capacity: Struck 11 m³ (14.4 cu.yd) 13,6 m³ (17,8 cu.yd) Heaped, SAE 2:1 SAE 1:1 Rated payload 18 000 kg (35,683 lbs)

12 s Raise time Power down time 6 s

70 degrees Tipping angle

OPERATING WEIGHTS

7 845 kg (17,295 lbs) Empty: Front 3 485 kg (7,683 lbs) Middle 3 242 kg (7,147 lbs) Rear 14 572 kg (32,125 lbs) Total 8 390 kg (18,496 lbs) Laden: Front 12 218 kg (26,936 lbs) Middle 11 969 kg (26,387 lbs) Rear 32 577 kg (71,819 lbs) Total

Cab

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

Integral transmission retarder Retarder Other

Ground driven emergency steering

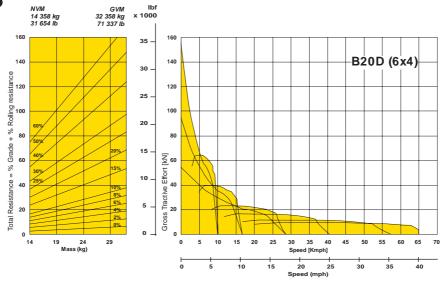
OPTIONAL EQUIPMENT

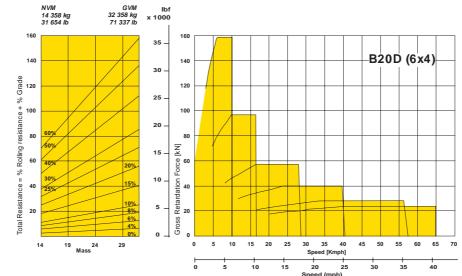
Flashing beacon Work lights Artic reverse light

Electrical horn

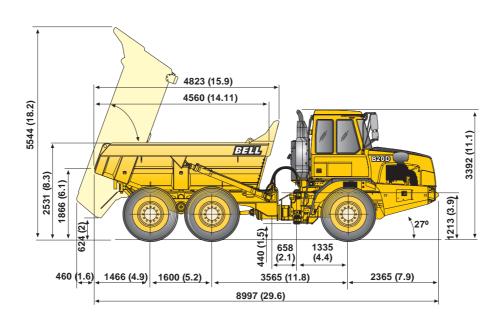
B20D6x4 ARTICULATED DUMP TRUCK

DRAWBAR PULL GRAPH



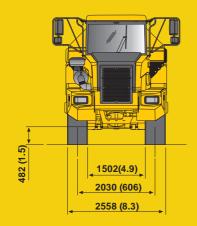


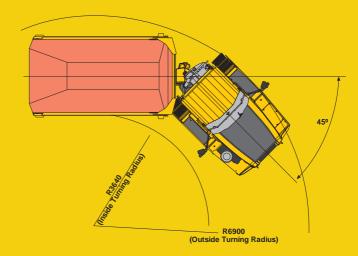
LINE DRAWING



B20D6x4 ARTICULATED TRUCK

LINE DRAWING





What makes the B20D a great performer...

- Supreme driver comfort from a nitrogen over oil strut service 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.

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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. Strong Reliable Machines Strong Reliable Support

