

Configuration

Mercedes Benz OM906LA

I-6 with exhaust brake and Engine Valve Brake

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 (221 hp) @ 2 200 rpm Net Power

810 Nm (597 lbft) @ 1 050 -1 850 rpm Gross torque

SAE J1349

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

6,37 litres (389 cu.in) Displacement Fuel tank capacity 200 I (58 US gal)

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

Vehicle speeds 1st 2nd 3rd 4th 5th 6th 15 25 35 50 60

10 km/h 9 15 21 30 36 6 mph

VGR 13 100

Interaxle 67/33 proportional differential, Output differential

pneumatically lockable whilst stationary or on

the move.

Bell 14T

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

Steel fabricated Housing type

BRAKING SYSTEM

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.

396 kN (89,000 lbf) Maximum brake force

Automatic exhaust brake and Engine Valve Brake AUXILLIARY BRAKE

442 kW (593 hp) Maximum retardation

20,5R25 Tyre: Size

Radial Farthmover Туре

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) 25 MPa (3,915 psi) Pressure

10 micron Filter

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

850 kPa (123 psi) System pressure

24 V

Two maintenance free permanently sealed Battery Type Battery capacity

2 x 105 Ah (optional 2 extra batteries)

28 V 80 A

Alternator rating

Hydrostatically actuated by two double acting

cylinders, with ground-driven emergency

steering pump. +- 45 degrees

Lock to lock turns 4,1

8,5 m³ (11.1 cu.yd) Capacity: Struck Heaped, SAE 2:1 11 m³ (14.4 cu.yd) 13,6 m³ (17,8 cu.yd) SAE 1:1

18 000 kg (35,683 lbs) Rated payload 12 s Raise time 6,0 s Power down time 70 degrees

OPERATING WEIGHTS

Tipping angle

Empty: Front

7 845 kg (17,295 lbs)

3 550 kg (7,826 lbs) Middle Rear 3 410 kg (7,518 lbs) 14 805 kg (32,639 lbs) Total 8 390 kg (18,496 lbs) Laden: Front

12 277 kg (27,066 lbs) Middle 12 138 kg (26,758 lbs) Rear

32 805 kg (72,320 lbs) Total

Cab

Other

STANDARD EQUIPMENT 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

· HVAC climate control system with filtered and ducted air

· Wheel spanner set

Integral transmission retarder Retarder

Ground driven emergency steering

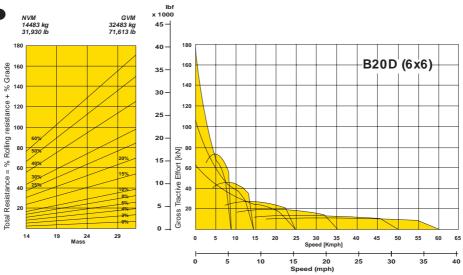
Flashing beacon Work lights

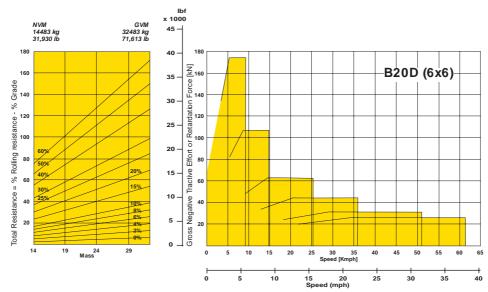
Artic reverse light

Electrical horn

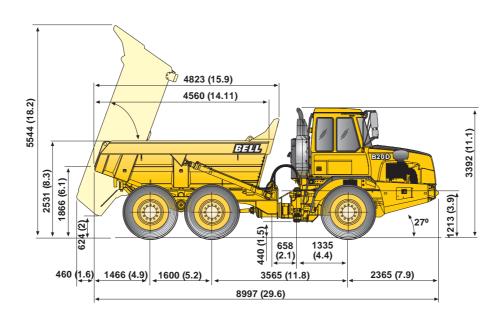
B20D6x6 ARTICULATED TRUCK





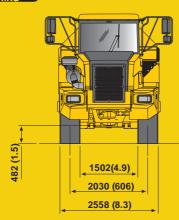


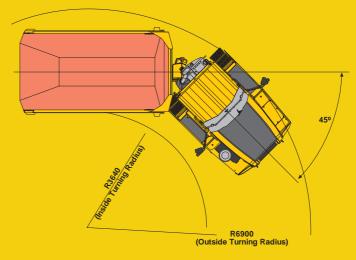
LINE DRAWING



B20D6x6 ARTICULATED DUMP 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
- Improved 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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