## B20006x6

key features

Gross powerGross torque

• Gross weight

NAME OF STREET

170 kW (228 hp) 810 Nm (597 lbf) 32 805 kg (72, 320 lbs)

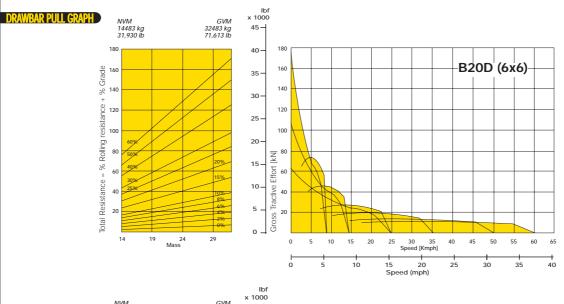


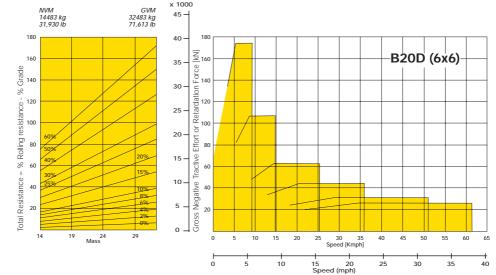


B20D6x6	

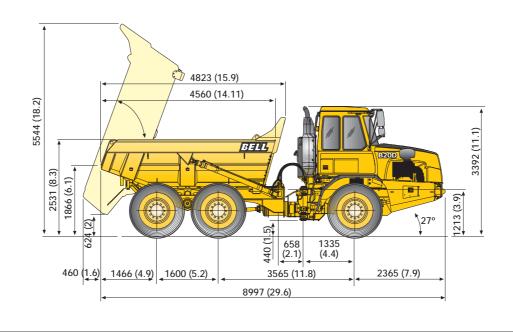
ENGINE Configuration Aspiration Cooling system Gross power	Mercedes Benz OM906LA I-6 with exhaust brake and Engine Valve Brake (EVB) Turbocharged and intercooled Single pass radiator & charge air cooler 170 kW (228 hp) @ 2 200 rpm SAE J1349	System pressure ELECTRICAL SYSTEM	Air drier with heater and integral unloader valve, serving park brake and auxiliary functions 850 kPa (123 psi)
Net Power Gross torque Net torque Displacement	165 kW (221 hp) @ 2 200 rpm 810 Nm (597 lbft) @ 1 050 -1 850 rpm SAE J1349 780 Nm (575 lbft) @ 1 050 -1 850 rpm 6,37 litres (389 cu.in)	Voltage Battery Type Battery capacity Alternator rating	24 V Two maintenance free permanently sealed 2 x 105 Ah (optional 2 extra batteries) 28 V 80 A
Fuel tank capacity TRANSMISSION	200 <b>I</b> (58 US gal) ZF 6HP592C with integral retarder	STEERING SYSTEM	Hydrostatically actuated by two double acting cylinders, with ground-driven emergency steering pump.
Layout Gear layout Clutch type Torque converter layout Vehicle speeds	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 9 15 25 35 50 60 10 km/h 6 9 15 21 30 36 6 mph	Angle Lock to lock turns BODY Capacity: Struck Heaped, SAE 2:1 SAE 1:1 Dated payload	+- 45 degrees 4,1 8,5 m <sup>3</sup> (11.1 cu.yd) 11 m <sup>3</sup> (14.4 cu.yd) 13,6 m <sup>3</sup> (17,8 cu.yd) 19 000 kg (25 (92 kg)
TRANSFER CASE Output differential	VGR 13 100 Interaxle 67/33 proportional differential, pneumatically lockable whilst stationary or on the move.	Rated payload Raise time Power down time Tipping angle	18 000 kg (35,683 lbs) 12 s 6,0 s 70 degrees
AXLES Differential type Final drive type Housing type	Bell 14T Spiral bevel type with Limited Slip Outboard heavy duty planetary Steel fabricated	OPERATING WEIGHTS Empty: Front Middle Rear Total Laden: Front Middle	7 845 kg (17,295 lbs) 3 550 kg ( 7,826 lbs) 3 410 kg ( 7,518 lbs) 14 805 kg (32,639 lbs) 8 390 kg (18,496 lbs) 12 277 kg (27,066 lbs)
BRAKING SYSTEM SERVICE BRAKE Maximum brake force	Dual circuit, full hydraulic actuation caliper brakes on all wheels 164 kN (36,900 lbf)	Rear Total	12 138 kg (26,758 lbs) 32 805 kg (72,320 lbs)
PARK & EMERGENCY Maximum brake force AUXILLIARY BRAKE	Spring applied, air released driveline mounted disc. 396 kN (89,000 lbf) Automatic exhaust brake and Engine Valve Brake (EVB)	STANDARD EQUIPMENT Cab	<ul> <li>ROPS/FOPS certification</li> <li>Tilt cab for service access</li> <li>Tinted safety glass</li> <li>Rearview mirrors-regular and wide angle</li> <li>Wiper/washer withintermittent control</li> <li>Tilt and telescoping steering wheel</li> </ul>
Maximum retardation WHEELS Tyre: Size	442 kW (593 hp) 20,5R25		<ul> <li>Adjustable, air suspension seat with retractable seat belt</li> <li>Fold-away trainer seat with retractable seat belt</li> </ul>
Type Maximum ground pressure (laden)	Radial Earthmover 134 kPa (19 psi)	Retarder Other	<ul> <li>HVAC climate control system with filtered and ducted air</li> <li>Wheel spanner set Integral transmission retarder Ground driven emergency steering</li> </ul>
SUSPENSION SYSTEM Front: Type Rear: Type	Semi-independent leading arm type linkages supported by nitrogen/oil struts 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 rubber-bushed links for ideal vertical movement.	OPTIONAL EQUIPMENT	Flashing beacon Work lights Artic reverse light Electrical horn
HYDRAULIC SYSTEM Flow Pressure Filter	Full load sensing system. A ground-driven, load sensing emergency steering pump is integrated into the main system 184 / min (48.6 US gal/min) 25 MPa (3,915 psi) 10 micron		

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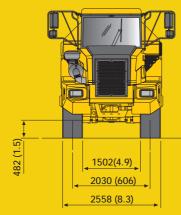


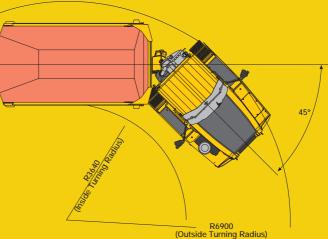
LINE DRAWING





## 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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