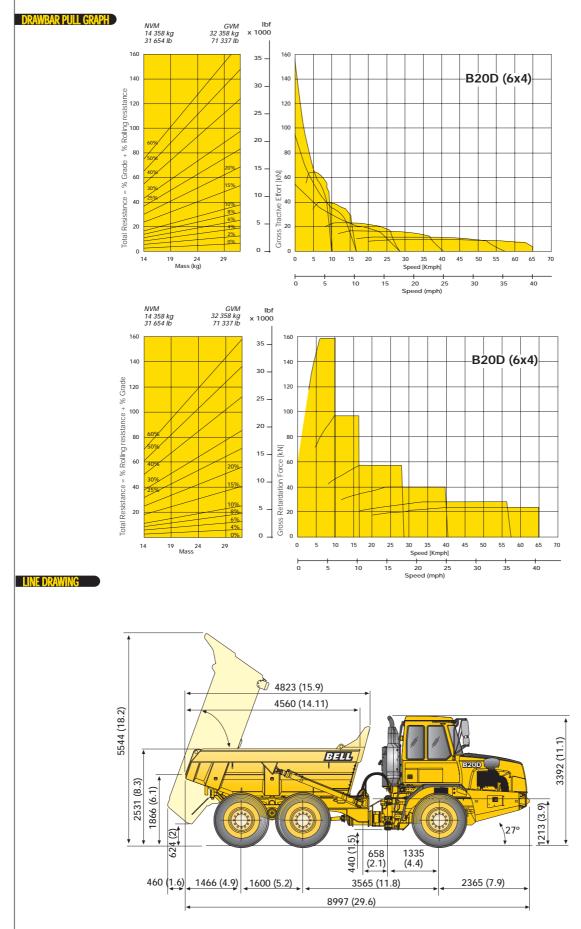
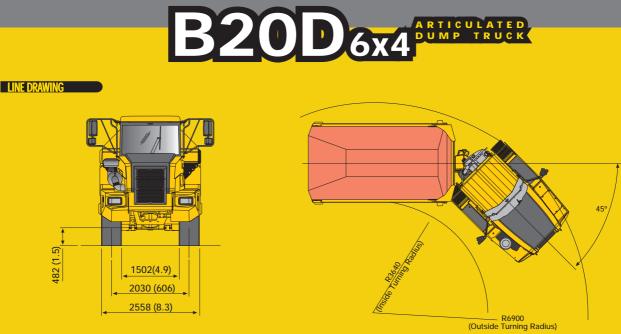


## DIS Mercedes Benz OM906LA PNEUMATIC SYSTEM Air drier with heater and integral unloader valve, I-6 with exhaust brake and Engine Valve Brake serving park brake and auxiliary functions Configuration 850 kPa (123 psi) (EVB) System pressure Aspiration Turbocharged and intercooled Single pass radiator & charge air cooler Cooling system Gross power 170 kW (228 hp) @ 2 200 rpm SAE J1349 ELECTRICAL SYSTEM 165 kW (221hp) @ 2 200 rpm 24 V Net Power Voltage Gross torque 810 Nm (597 lbft) @ 1 050 -1 850 rpm Battery Type Two maintenance free permanently sealed 2 x 105 Ah (optional 2 extra batteries) SAF J1349 Battery capacity Alternator rating 780 Nm (575 lbft) @ 1 050 -1 850 rpm 28 V 80 A Net torque 6,37 litres (389 cu.in) Displacement Fuel tank capacity 200 /(58 US gal) Hydrostatically actuated by two double acting cylinders, with ground-driven emergency TRANSMISSION ZF 6HP592C with integral retarder steering pump. Layout Engine mounted box with rear output +- 45 degrees Angle Constant meshing planetary gears 4.1 Gear layout Lock to lock turns Clutch type Hydraulically operated multidisc Torque converter layout Hydrodynamic, with lock-up in all gears Vehicle speeds 1st 2nd 3rd 4th 5th 6th R BODY 8,5 m<sup>3</sup> (11.1 cu.yd) 11 m<sup>3</sup> (14.4 cu.yd) 28 40 56 65 10 km/h 10 16 Capacity: Struck Heaped, SAE 2:1 6 10 17 25 35 40 6 mph SAE 1:1 13,6 m<sup>3</sup> (17,8 cu.yd) Rated payload 18 000 kg (35,683 lbs) VGR 13 200 12 s Raise time TRANSFER CAS Interaxle 50/50 proportional differential, Power down time Output differential 6 S 70 degrees pneumatically lockable whilst stationary or on Tipping angle the move. **OPERATING WEIGHTS** 7 845 kg (17,295 lbs) 3 485 kg ( 7,683 lbs) 3 242 kg ( 7,147 lbs) Bell 14T AXLES Empty: Front Differential type Spiral bevel type with Limited Slip Middle Outboard heavy duty planetary Final drive type Rear Steel fabricated Total 14 572 kg (32,125 lbs) Housing type 8 390 kg (18,496 lbs) Laden: Front Middle 12 218 kg (26,936 lbs) 11 969 kg (26,387 lbs) **BRAKING SYSTEM** Rear 32 577 kg (71,819 lbs) SERVICE BRAKE Dual circuit, full hydraulic actuation caliper brakes Total on all wheels Maximum brake force 164 kN (36,900 lbf) PARK & EMERGENCY Spring applied, air released driveline mounted **ROPS/FOPS** certification DARD FOLIPMENT STAN Tilt cab for service access disc. Cab 396 kN (89,000 lbf) Maximum brake force · Tinted safety glass AUXILLIARY BRAKE Automatic exhaust brake and Engine Valve Brake • Rearview mirrors-regular and wide angle (EVB) Wiper/washer withintermittent control Maximum retardation 442 kW (593 hp) • Tilt and telescoping steering wheel · Adjustable, air suspension seat with retractable seat belt · Fold-away trainer seat with retractable seat WHEELS 20.5R25 belt Tyre: Size HVAC climate control system with filtered Radial Earthmover Type Maximum ground pressure and ducted air Wheel spanner set (laden) 134 kPa (19 psi) Integral transmission retarder Retarder Ground driven emergency steering Other SUSPENSION SYSTEM Semi-independent leading arm type linkages Front: Type supported by nitrogen/oil struts OPTIONAL EQUIPMENT Flashing beacon Pivoting walking beams equalize the load on Work lights Rear: Type Artic reverse light each axle with laminated suspension blocks. Each axle is coupled to the chassis by a system Electrical horn of four rubber-bushed links for ideal vertical movement. HYDRAULIC SYSTEM 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) Flow 25 MPa (3,915 psi) Pressure 10 micron Filter

## B20D6x4





## 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.

