BADD 6X6Underground ARTICULATED DUMP TRUCK/Mk/VI

B40D



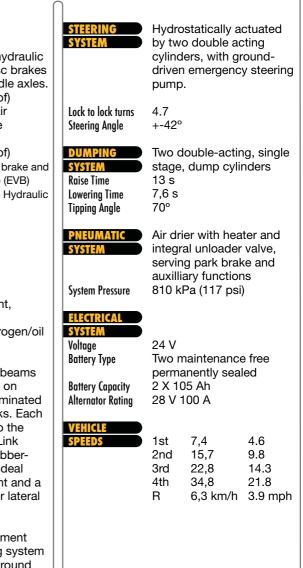
Gross Power: 315 kw (422 hp) Gross Torque: 2 000 Nm (1,473 lbft) Rated Payload: 37 000 kg (81,571 lbs)



Ban



| ENGINE | Mercedes Benz V6, | BRAKI | | |
|---------------------|------------------------------|-----------|----------|-------------------------------|
| | turbocharged, intercooled, | SYSTEM | | |
| | low emission diesel engine | SERVICE B | BRAKES | Dual circuit, full hydraulic |
| Gross power | 315 kW (422 hp) @ | | | actuation wet disc brakes |
| | 1,800 rpm | | | on front and middle axles. |
| Net Power | 308 kW (413 hp) @ | Max brak | | 218 kN (49,010 lbf) |
| | 1,800 rpm | PARK & E | MERGENCY | Spring applied, air |
| Gross torque | 2,000 Nm (1,473 lbf) @ | | | released driveline |
| | 1,300 rpm | | _ | mounted disc. |
| Net torque | 1,974 Nm (1,453 lbf) @ | Max brak | | 440 kN (98,920 lbf) |
| | 1,300 rpm | AUXILLIAF | RY BRAKE | Automatic exhaust brake and |
| Displacement | 11,95 litres (730 cu.in) | | | Engine Valve Brake (EVB) |
| Fuel tank capacity | 485 litres (128 US gal) | | | Variable Adjustable Hydraulic |
| Auxilliary Brake | Automatic exhaust brake | | | Retarder |
| | Engine Valve Brake (EVB) | Maximu | | |
| Certification | | Retardat | ion | 575 kW (771hp) |
| Non Regulated | OM 501 LA.E2/1-00 meets | | | |
| · | Europe (EU) step2; | WHEEL | S | Earthmover |
| Regulated | OM 501 LA.E3A/1 meets | Tyre | | 26.5R25 |
| 5 | Europe (EU) step 3 | | | |
| | | FRONT | | Semi-independent, |
| TRANSMISSION | Engine mounted, fully | SUSPE | | leading A-frame |
| | automatic Allison planetary | | | supported by nitrogen/oil |
| | transmission with six | | | struts |
| | forward gears and one | | | 00.0 |
| | revese gear. | REAR | | Pivoting walking beams |
| Torque Converter | Hydrodynamic with lock- | SUSPE | NSION | equalize the load on |
| | up in all gears. | | | each axle with laminated |
| Model | 4500R ORS | | | suspension blocks. Each |
| Control Type | Electronic | | | axle is coupled to the |
| connor type | Electionic | | | chassis by a Tri-Link |
| TDANCEED DOV | Remote mounted | | | system of four rubber- |
| Manufacturer | VGR | | | bushed links for ideal |
| Model | 17100 | | | vertical movement and a |
| | | | | |
| Layout | Three in-line helical gears. | | | transverse link for lateral |
| Output Differential | | | | restraint. |
| | proportional differential, | | | |
| | Pneumatically lockable | HYDR | AULIC | Variable displacement |
| | whilst stationary or on the | SYSTE | M | with load sensing system |
| | move | | | incorporating a ground |
| | | | | driven emergency steering |
| AXLES | High strength steel | | | pump. |
| | fabricated with spiral | Flow | | 300 l/min (79,26 gal/min) |
| | bevel type gears on | Pressure | | 25 Mpa (3,626 psi) |
| | the Controlled Traction | Filter | | 5 micron |
| | differential and heavy duty | | | |
| | outboard planetary gears. | | | |
| Madal | Doll 05T | | | |
| Model | Bell 25T | | | |



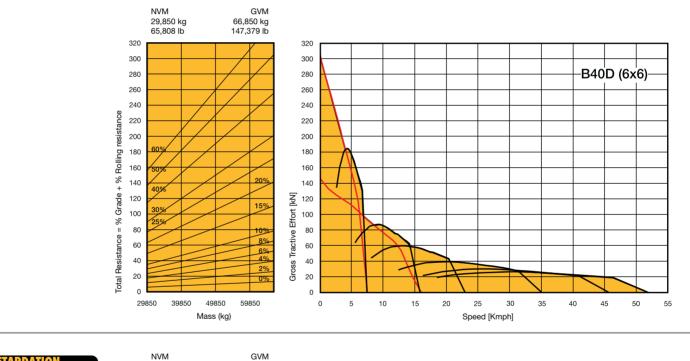


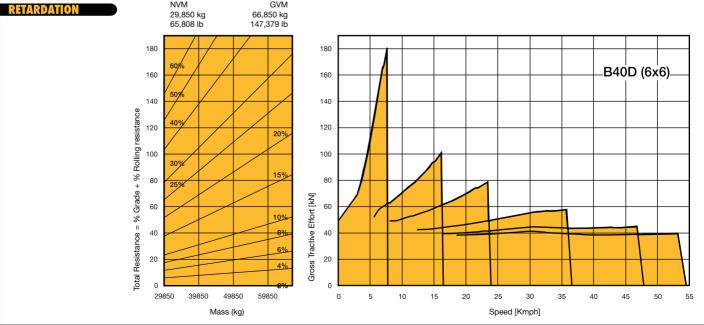
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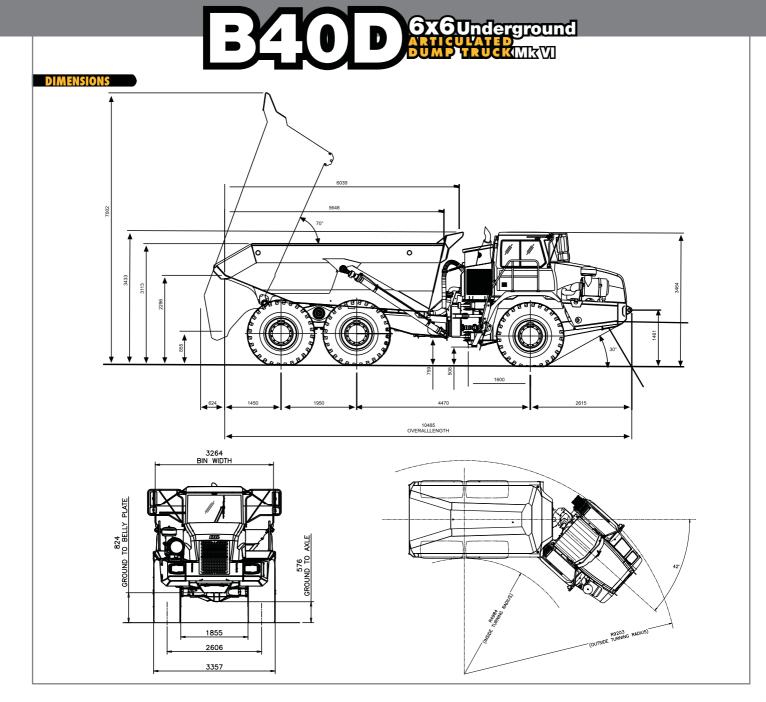
LOAD CAPACITY & GROUND PRESSURE

| WEIGHTS | | | GROUND PRESSURE | | | LOAD CAPACITY | | |
|---------|--------|---------|-----------------|-----|-----|------------------|-----------|------------|
| UNLADEN | kg | lbs | UNLADEN | kPa | psi | BODY | m³ | cu.yd |
| Front | 14,650 | 32,298 | Front | 232 | 14 | Struck Capacity | 19 | 24.9 |
| Middle | 7,810 | 17,218 | Middle | 238 | 7 | SAE 2:1 Capacity | 23 | 30 |
| Rear | 7,390 | 16,292 | Rear | 238 | 7 | SAE 1:1 Capacity | 27,5 | 36 |
| Total | 29,850 | 65,808 | Total | | | SAE 2:1 Capacity | | |
| LADEN | | | LADEN | | | with Autogate | 24 | 31.4 |
| Front | 19,587 | 43,182 | Front | 254 | 37 | | | |
| Middle | 23,842 | 52,563 | Middle | 316 | 46 | Rated Payload | 37,000 kg | 81.571 lbs |
| Rear | 23,422 | 51637 | Rear | 314 | 46 | | | |
| Total | 66,851 | 147,381 | | | | | | |

GRADEABILITY/RIMPULL









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|--------------------|--|------------------|--|
| AVAILABLE EQUIPMEN | | | |
| Cab | ROPS/FOPS certification | | Metric /Imperial unit selection |
| | Protective rear window guard | | Warning lights with audible buzzer |
| | Tilt cab for service access | | |
| | Gas strut supported door | Gauges | Engine coolant temperature |
| | Tinted safety glass | 0.0.900 | Engine oil pressure |
| | Sliding windows | | Transmission oil temperature |
| | Rear view mirrors- regular and wide angle | | • Fuel |
| | Electrically adjustable rearview | | Tachometer |
| | mirrors - one per side | | Battery voltage |
| | Sun visor | | Hourmeter |
| | Wiper/washer with intermittent control | | Odometer |
| | Tilt and telescoping steering wheel | | System air pressure |
| | Adjustable, air suspension seat with | | |
| | retractable seat belt | Vehicle | Ground driven emergency steering |
| | Fold-away trainer seat with retractable | | Bin safety prop |
| | seat belt | | Articulation lock |
| | HVAC climate control system with | | Integral transmission output retarder |
| | filtered and ducted air | | with 6 settings |
| | Rotating beacon | | War o ootango |
| | 12 V power outlet/12 V cigarette lighter | Other | (Factory or field installed) |
| | Ash tray | | Groeneveld auto greasing system |
| | Drinks holder | | Retractable sun visor |
| | Cooled/heated lunch box | | Exhaust body heating |
| | I-Tip programmable bin tip | | Autogate |
| | Sound insulated to 76 dB(A) to ISO 6396 | | Body liners |
| | Radio/CD/Tape | | Fleetmatic Satellite Monitoring System |
| | Memory Module | | Driver ID and immobiliser |
| | • Air horn | | Forward working lights |
| | | | Artic reverse light |
| MDU Features | Operator / Site selected speed control | | Fuel heater |
| | Tipping counter | | External windshield visor |
| | Trip timer | | Headlight protection grills |
| | Trip distance | | Rear window wiper |
| | On Board Weigh System (OBW) | | Antenna mounting bracket |
| | Transmission gear selection | | System for reverse camera |
| | Fuel Consumption | | Wiggins quick fuelling system |
| | Diagnostics | | Comfort ride suspension system |
| | Intermittent wiper timing control | | Tyre pressure monitoring |
| | Speedo calibration for alternative | | • Full handrail kit |
| | tyre sizes | +-+ | and a second |
| | | standard specifi | cation for machines may vary according to region |



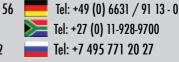
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What makes the B40D a great performer...

- With a highly efficient power and drivetrain combined with low rolling resistance, The Bell B40D delivers superior fuel efficiency
- High performance engine with increased power and torque and long service intervals
- Powerful hydraulic transmission retarder drastically cuts break use, extending pad life up to a factor of five
- Fewer scheduled service requirements
- Supreme driver comfort from a nitrogen over oil strut independent suspension system
- Deluxe cab setting new standards in comfort, sound levels and simplicity in operation
- Electronic component protection
- Easy service access
- Fast tip cycles
- Low ground pressure to work jobs other trucks can't
- Comfort Ride option with adaptive front suspension and dual stage rear suspension

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 INTERNATIONAL: Tel: +27 (0) 35-907 9431

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