BADD 6X6Underground ARTICULATED DUMP TRUCK/Mk/VI

B40D



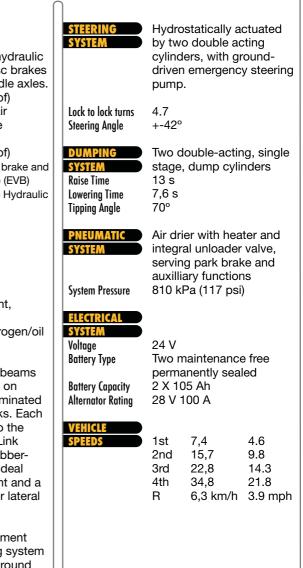
Gross Power: 315 kw (422 hp) Gross Torque: 2 000 Nm (1,473 lbft) Rated Payload: 37 000 kg (81,571 lbs)



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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			



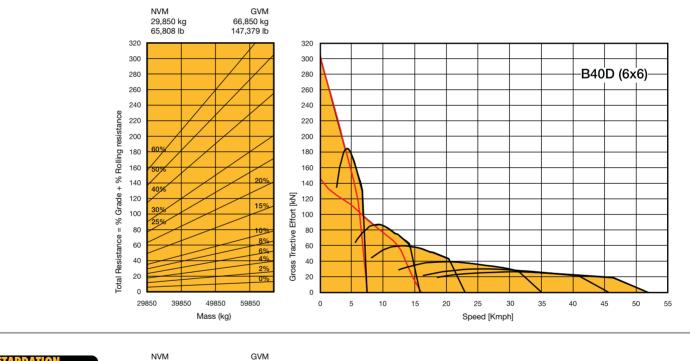


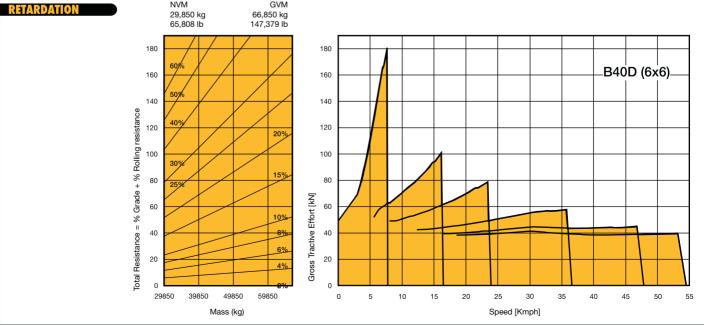
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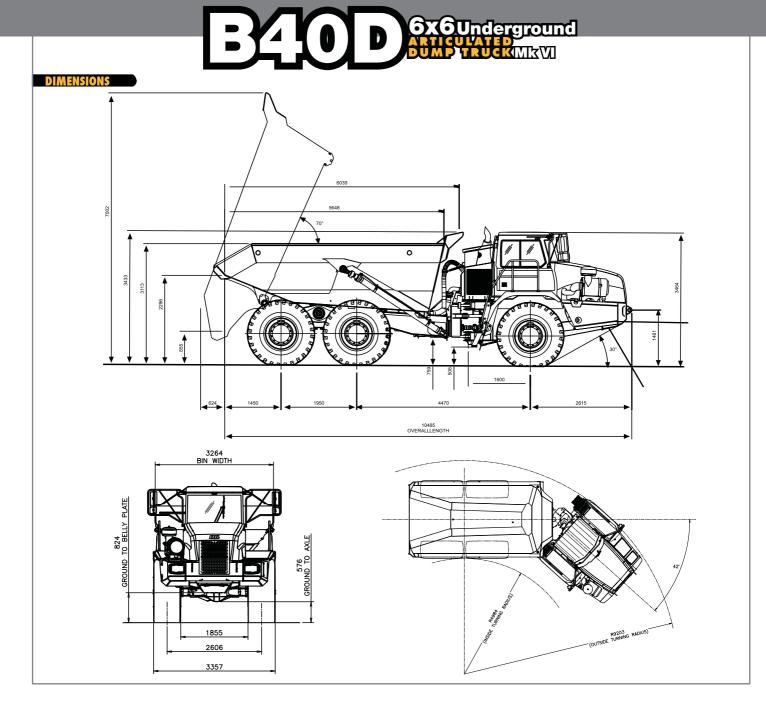
LOAD CAPACITY & GROUND PRESSURE

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



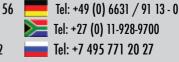
BADD 6x6Underground ATTCUVATED SUMP TRUCKMKVI

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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