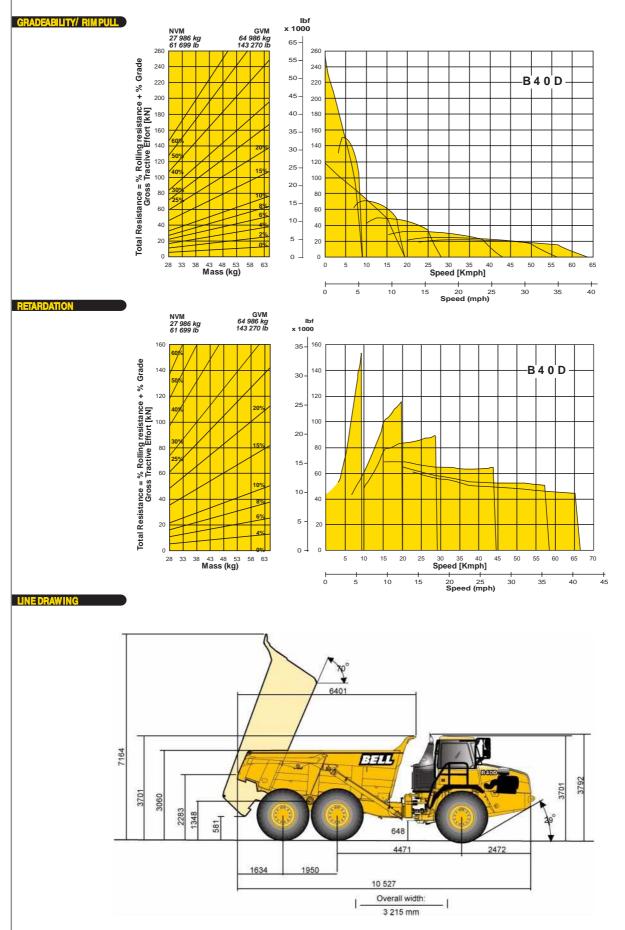


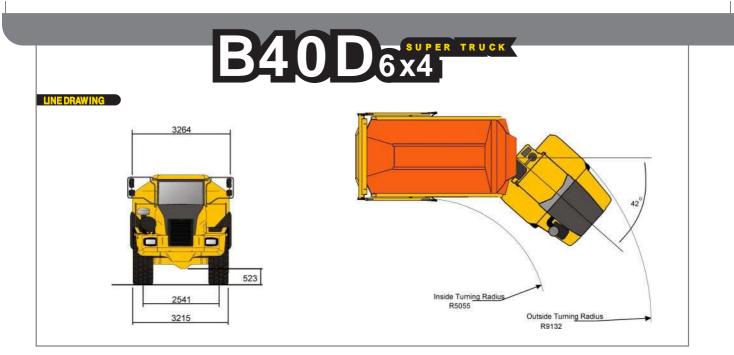
Courtesy of Machine.Market

B40D6x4

ENGINE	Mercedes Benz OM501LA	PNEUM ATIC SYSTEM	Air drier with heater and integral unloader
Configuration Aspiration	V-6 Turbocharged and intercooled		valve, serving park brake and auxiliary functions
Cooling System	Liquid cooled with single pass radiator as well as charge air cooler	System pressure	810 kPa (117 psi)
Gross power	315 kW (422 hp) @ 1 800 rpm SAE J1349	ELECTRICAL SYSTEM	
Net Power	308 kW (413 hp) @ 1 800 rpm	Voltage	24 V
Gross torque Net Torque	2 000 Nm (1,473 lbft) @ 1 080 rpm SAE J1349 1 974 Nm (1,453 lbft) @ 1 080 rpm	Battery type Battery capacity	Two maintenance free permanently sealed 2 x 105 Ah (optional 2 extra batteries)
Displacement	11,95 litres (730 cu.in)	Alternator rating	28 V 100 A
Fuel tank capacity	485 I (128 US gal)	STEERING SYSTEM	Hydrostatically actuated by two double acting
TRANSMISSION	Allison HD 4560 with integral retarder & dual		cylinders, with ground-driven emergency
Layout	shifting programme Engine mounted box with rear output	Angle	steering pump. +- 42 degrees
Gear layout	Constant meshing planetary gears, clutch	Lock to lock turns	4,7
	operated		
Gears Clutch type	6 Forward, 1 Reverse Hydraulically operated multi-disc	EODY Capacity: Struck	16,9 m ³ (22.1 cu.yd)
Control type	Electronic	Heaped SAE 2:1	$22,5 \text{ m}^3$ (29.4 cu.yd)
Torque converter layout	Hydrodynamic, with lock-up in all gears	SAE 1:1	27,4 m ³ (35.8 cu.yd ³)
Vehiele er er de	1 st 2 nd 3 rd 4 th 5 th 6 th R	Detect newload	26,000kg(70,280kc)
Vehicle speeds	9,1 19,3 28,0 43,0 56,0 63,0 8,0 km/h	Rated payload Raise time	36 000 kg (79,380 lbs) 13 s
	5.7 12.5 17.5 27.0 35.0 39.3 5.0 mph	Power down time	7,6 s
		Tipping angle	70 degrees
TRANSFER CASE	VGR 17000 Three in-line helical gears	OPERATING WEIGHTS	
Layout		Empty: Front	13 692 kg (30,186 lbs)
AXLES	Bell 25 tonne	Middle	7 257 kg (16,594 lbs)
Differential type	Spiral bevel type with Controlled Traction	Rear	6 767 kg (14,919 lbs)
Final drive type	Differentials (CTD) on front and middle axle Outboard heavy duty planetary on front and	Total Laden: Front	27 986 kg (61,699 lbs) 18 272 kg (40,289 lbs)
rindi dinto typo	middle axle	Middle	23 237 kg (51,237 lbs)
Housing type	Steel fabricated	Rear	22 477 kg (49,562 lbs)
BRAKING SYSTEM		Total	63 986 kg (141,088 lbs)
SERVICE BRAKE	Dual circuit, full hydraulic actuation vented dry	STANDARD EQUIPMENT	
Martin and a factor	disc caliper brakes on all three axles	Cab	ROPS/FOPS certification
Maximum brake force PARK & EMERGENCY	193 kN (43,390 lbf) Spring applied, air released driveline- mounted		Protective rear window guard • Handrails on fenders • Tilt cab for service access • Gas
	disc.		strut supported door • Tinted safety glass
Maximum brake force	440 kN (98,920 lbf)		Sliding windows Rearview mirrors- regular
AUXILLIARY BRAKE	Automatic exhaust brake and Engine Valve		and wide angle • Electric adjust and heated
Maximum Retardation	Brake (EVB) 830 kW (1,113 hp)		mirrors (one per side) • Sun visor • Wiper/washer with intermittent control
			 Tilt and telescoping steering wheel
WHEELS			Adjustable, air suspension seat with
Tyre Size Type	26.5R25 Radial Earthmover		retractable seat belt • Fold-away trainer seat with retractable seat belt • HVAC climate
Max ground pressure			control system with filtered and ducted air
(laden)	156 kPa (23 psi)	Retarder	Integral transmission output retarder with 6
CUCDENCION		Durlar.	settings
SUSPENSION Front type	Semi-independent leading A-frame supported	Brakes	Vented dry disc callipers on all three axles Fully hydraulically actuated • Spring applied
	by nitrogen/oil struts		air release park brake on rear driveshaft
Rear type	Pivoting walking beams equalize the load on	Other	Ground driven emergency steering
	each axle with laminated suspension blocks.		 mechanical autogate
	Each axle is coupled to the chassis by a Tri- Link system of three rubber-bushed links for	OPTIONAL EQUIPMENT	(Factory and field installed)
	ideal vertical movement and a transverse link		Exhaust body heating • Groeneveld central
	for lateral restraint		lubrication system • Body liners • Flashing
HYDRAULIC SYSTEM	Full load sensing system serving the prioritized		 beacon • Work lights • Artic reverse light • Electrical horn • 2 extra batteries • Fuel
	steering, body tipping and brake functions. A		filter heating element • High speed compound
	ground-driven, load sensing emergency		tyre
	steering pump is integrated into the main	Provision for:	FM and 2-way radios • Reverse camera and
Pump Type	system Variable displacement, loadsensing piston		alarm • Wiggins quick fuelling system
Application	Steering, tipping, hydraulic brake charging		
	and cooling fan drive		
Flow:	300 l/min (79.26 US gal/min)		
Pressure: Filter:	25 MPa (3,626 psi) 10 micron		
1 HGL.			

B40D6x4





What makes the B40D

Super Truck a great performer...

- High speed
- High performance engine with increased power and torque
- Improved cab setting new standards in comfort, sound levels and simplicity in operation
- Tailgate fitted as standard
- Increased pay load
- Improved tip cycles
- Tighter turning circle
- Fewer scheduled service requirements
- Improved service access
- Electronic component protection
- Powerful hydraulic transmission retarder drastically cuts brake use extending pad life up to a factor of five
- Rops/ Fops certified

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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. Strong Reliable Machines Strong Reliable Support



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