BERNELLATED DGX4 ARTICULATED DUMP TRUCK Mik VII

B200



Gross Power: 170 kw (228 hp) Gross Torque: 810 Nm (597 lbft) Rated Payload: 18 000 kg



BELL

BOD SX4 ARTICULATED

		\sim
ENGINE Configuration	Mercedes Benz OM906LA I-6 with exhaust brake and	
Aspiration	Engine Valve Brake (EVB) Turbocharged and intercooled	and the second
Cooling system	Single pass radiator & charge	1
cooming system	air cooler	
Gross power	170 kW (228 hp) @ 2,200 rpm SAE J1349	
Net Power	165 kW (221 hp) @ 2,200 rpm	1
Gross torque	810 Nm (597 lbft) @	1000
Nat torrain	1,050 -1,850 rpm SAE J1349 780 Nm (575 lbft) @	1 P 40
Net torque	1,050 -1,850 rpm	110
Displacement	6,37 litres (389 cu.in)	
Fuel tank capacity	200 I (58 US gal)	
TRANSMISSION	Allison 3000P ORS (with optional retarder)	-
Layout	Engine mounted box with rear	
.,	output	
Gear layout	Constant meshing planetary	
(L. J. L. J	gears	
Clutch type	Hydraulically operated multidisc	
Forque converter lavout	Hydrodynamic, with lock-up	
	in all gears	SUSP
		SYSTE
TRANSFER BOX	VGR 13 100 Interaxle 50/50 proportional	Front: T
Juiput anterennai	differential, pneumatically	
	lockable whilst stationary or	Rear: Ty
	on the move.	,
AXLES	Bell 14T	
Differential type	Spiral bevel type with Limited	
	Slip	
Final drive type	Outboard heavy duty	
Unusing home	planetary Steel fabricated	
Housing type		HYDP
BRAKING SYSTEM		SYSTE
SERVICE BRAKE	Dual circuit, full hydraulic	
	actuation caliper brakes on all	
M	wheels	
Maximum brake force PARK & EMERGENCY	164 kN (36,900 lbf) Spring applied, air released	Flow
ANN & LMILNUENCI	driveline mounted disc.	Pressure
Maximum brake force	396 kN (89,000 lbf)	Filter
AUXILLIARY BRAKE	Automatic exhaust brake and	
u	Engine Valve Brake (EVB)	PNEU
Maximum retardation	442 kW (593 hp)	SYSTE
WHEELS		System
T ()		



20,5R25 Radial Earthmover 134 kPa (19 psi)



(up	SUSPENSION		ELECTRICAL			
onal	SYSTEM Front: Type	Semi-independent leading arm type linkages supported	SYSTEM Voltage Battery Type	24 V Two mainte		
y or	Rear: Type	by nitrogen/oil struts Pivoting walking beams equalize the load on	Battery capacity	batteries)	ly sealed (optional 2 extra	
		each axle with laminated suspension blocks. Each	Alternator rating	28 V 80 A		
mited		axle is coupled to the chassis by a system of four rubber-bushed links for ideal verticalmovement.	STEERING SYSTEM	by two dou cylinders, v	cally actuated uble acting with ground-driven v steering pump.	
			Angle	+- 45 degre		
	HYDRAULIC SYSTEM	Variable displacement with load sensing system. A	Lock to lock turns	4,1		
c		ground-driven, load sensing	VEHICLE SPEEDS	km/h	mph	
on all		emergency steering pump	lst	8	5	
		is integrated into the main	2nd	13	8	
		system	3rd	22	13.7	
sed	Flow	184 l/min (48.6 US gal/min)	4th	31	19.3	
	Pressure	25 MPa (3,915 psi)	5th	45	28	
	Filter	10 micron	6th	50	31	
e and			R	9	5.6	
3)	PNEUMATIC	Air drier with heater and integral				
	SYSTEM	unloader valve, serving park				
		brake and auxiliary functions				
	System pressure	850 kPa (123 psi)				
	DUMPING					
	SYSTEM					
	Raise time	12 s				
	Power down time	6.0 s				
	Tipping angle	70°				
	high might					Ľ



B20 D 6x4

LOAD CAPACITY & GROUND PRESSURE

WEI	WEIGHTS GROUND PRESSURE		LOAD CAPACITY		OPTION WEIGHTS		
UNLADEN	kg	LADEN	kPa	BODY	m ³		kg
Front	7,520	Front	207	Struck Capacity	8,5	Bin liner	-
Middle	3,520	Middle	293	SAE 2:1 Capacity	11	Tailgate	-
Rear	3,250	Rear	291	SAE 1:1 Capacity	13,6	Extra wheelset	361
Total	14,290			SAE 2:1 Capacity			
LADEN				with Autogate	N/A		
Front	8,402						
Middle	12,079			Rated Payload	18 000 kg	1	
Rear	11,809						
Total	32,290						

GRADEABILITY/RIMPULL NVM 14940 kg GVM 32940 kg 32937 lb 72620 lb Total Resistance = % Grade + % Rolling resistance Gross Tractive Effort [kN] Mass (kg) 30 35 Speed [km/h]

RETARDATION







BOD 6x4 ARTICULATED

AVAILABLE EQUIPMENT*

Cab	 ROPS/FOPS certification Protective rear window guard Tilt cab for service access 	Gauges	 Engine coolant temperature Engine oil pressure Transmission oil temperature
	 Gas strut supported door 		• Fuel
	Tinted safety glass		• Tachometer
	Sliding windows		Battery voltage
	Rear view mirrors - regular and wide angle		Hourmeter
	Sun visor Wipper (washer with intermittent control		Odometer System eir proseure
	 Wiper/washer with intermittent control Tilt and telescoping steering wheel 		 System air pressure
	 Adjustable, air suspension seat with 	Vehide	 Ground driven emergency steering
	retractable seat belt		 Bin safety prop
	 Fold-away trainer seat with retractable 		Articulation lock
	seat belt		Integral transmission output retarder
	 HVAC climate control system with filtered and ducted air 		with 6 settings (optional)
	 Rotating beacon 	Other	(Factory or field installed)
	 12 V power outlet/12 V cigarette lighter 		 On Board Weigh System (OBW)
	 Ash tray 		 Electrically adjustable rearview
	 Drinks holder 		mirrors - one per side
	 Cooled/heated lunch box 		 Groeneveld auto greasing system
	I-Tip programmable bin tip		Retractable sun visor
	 Sound insulated to 76 dB(A) to ISO 6396 		Exhaust body heating
	Radio/CD/Tape		Autogate Body liners
	 Memory Module Air horn 		Body linersFleetmatic Satellite Monitoring System
	• Air horn		 Preetmatic Satellite Monitoring System Driver ID and immobiliser
MDU Features	Operator / Site selected speed control		Forward working lights
	Tipping counter		Artic reverse light
	Trip timer		Fuel heater
	Trip distance		External windshield visor
	 Transmission gear selection 		Headlight protection grills
	 Fuel Consumption 		 Rear window wiper
	Diagnostics		 Antenna mounting bracket
	 Intermittent wiper timing control 		 System for reverse camera
	 Speedo calibration for alternative 		 Wiggins quick fuelling system
	tyre sizes		 Tyre pressure monitoring
	 Metric /Imperial unit selection 		
	 Warning lights with audible buzzer 	*etandard enocifi	cation for machines may vary according to region
1			





• The exclusive onboard weighing option presents the operator with real time information on the payload while the machine is being loaded. A 'limp home' mode can also be activated if the machine is significantly over-loaded. Payload 21.9 T 2808-89-15 10:07:23

• The park brake automatically applies when neutral is selected and it is not possible to engage neutral at speed. Tourque dependent park brake release (hill assist) ensures no roll back on slopes.







• Full hand-rails kit can be installed to provide even more safety when performing engine checks.



• Keyless start, driver identity, and access codes ensures no unauthorized operation of your equipment.

• Both operator or site selectable maximum speed control allows the vehicle to automatically de-accelerate and apply the retarder to prevent onsite speeding.



• Reverse cameras are available for factory or on site fitment ensuring full view when reversing.



• Optional Tyre pressure - monitoring System ensures that the operator has real time information on all tyres pressure and temperature conditions.

Strong Reliable Support



• The best in class retarder and engine braking automatically applies when the operator lifts his foot off the accelerator. Retarder aggressiveness can be simply adjusted on the sealed switch module ensuring maximum descent control for all conditions.

• All trucks can be set up to automatically sound the horn when starting or switching between forward and reverse.

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 Tel: +33 (0) 5 55 89 23 56 Tel: +34 91 879 60 19 Tel: +34 91 879 60 19 Tel: +44 (0) 1283 712862 E-mail: sales@bellequipment.com Strong Reliable Machines

