## ARTICULATED TRUCK

Gauges

Vehicle

### **AVAILABLE EQUIPMENT\***

Cab

- ROPS/FOPS certification
- Protective rear window guard
- Tilt cab for service access
- Gas strut supported door Tinted safety glass
- Sliding windows
- Rear view mirrors- regular and wide angle
- Electrically adjustable rearview
- mirrors one per side
- Sun visor
- Wiper/washer with intermittent control
- Tilt and telescoping steering wheel
- Adjustable, air suspension seat with
- retractable seat belt • Fold-away trainer seat with retractable seat belt
- HVAC climate control system with filtered and ducted air
- Rotating beacon
- 12 V power outlet/12 V cigarette lighter Other
- Ash tray
- Drinks holder
- Cooled/heated lunch box
- I-Tip programmable bin tip
- Sound insulated to 76 dB(A) to ISO 6394
- Radio/CD/Tape
- Memory Module
- Air horn
- **MDU Features**
- Operator / Site selected speed control
- Tipping counter
- Trip timer
- Trip distance
- On Board Weigh System (OBW)
- Transmission gear selection
- Fuel Consumption
- Diagnostics
- Intermittent wiper timing control
- Speedo calibration for alternative
- tyre sizes

- Metric /Imperial unit selection
- Warning lights with audible buzzer
- Engine coolant temperature
- Engine oil pressure
- Transmission oil temperature
- Fuel
- Tachometer
- Battery voltage
- Hourmeter
- Odometer
- System air pressure
- Ground driven emergency steering
- Bin safety prop
- Articulation lock
- Integral transmission output retarder with 6 settings
- (Factory or field installed)
- Groeneveld auto greasing system
- Retractable sun visor
- Exhaust body heating
- Autogate
- Body liners
- Fleetmatic Satellite Monitoring System
- Driver ID and immobiliser
- Forward working lights
- Artic reverse light
- Fuel heater
- External windshield visor
- Headlight protection grills
- Rear window wiper
- Antenna mounting bracket
- Provision for reverse camera
- Wiggins quick fuelling system

\*standard specification for machines may vary according to region



# ARTICULATED TRUCK

## What makes the 3400 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

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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



# ARTICULATED TRUCK



• Gross power 315 kw (422 hp)

DSERIES

- Gross torque 2,000 Nm (1,473 lbft) @ 1,300 rpm
- Load capacity 22,4 m<sup>3</sup> SAE 2:1 heaped



## 51 ARTICULATED TRUCK

ENGINE Gross power Net Power Gross torque Net torque Displacement Fuel tank capacity Auxilliary Brake Certification	Mercedes Benz V6, turbocharged, intercooled, low emission diesel engine 315 kW (422 hp) @ 1,800 rpm 308 kW (413 hp) @ 1,800 rpm 2,000 Nm (1,473 lbft) @ 1,300 rpm 1,974 Nm (1,453 lbft) @ 1,300 rpm 11,95 litres (730 cu.in) 485 litres (128 US gal) Automatic exhaust brake Engine Valve Brake (EVB)	
Non Regulated Regulated	OM 501 LA.E2/1-00 meets Europe (EU) step2; OM 501 LA.E3A/1 meets Europe (EU) step 3	
TRANSMISSION Torque Converter Model Control Type	Engine mounted, fully automatic Allison planetary transmission with six forward gears and one revese gear. Hydrodynamic with lock- up in all gears. 4500R ORS Electronic	WHEELS Tyre
TRANSFER BOX Manufacturer Model Layout Output Differential	Remote mounted VGR 17100 Three in-line helical gears. Interaxle 33/67 proportional differential, Pneumatically lockable whilst stationary or on the move	SUSPENSION REAR SUSPENSION
AXLES	High strength steel fabricated with spiral bevel type gears on the Controlled Traction differential and heavy duty outboard planetary gears.	HYDRAULIC ) SYSTEM
Model	Bell 25T	Flow Pressure
BRAKING SYSTEM Max brake force Parking Brake Max brake force Total Retardation	Dual circuit, full hydraulic actuation wet disc brakes on front and middle axles. 218 kN (49,010 lbf) Spring applied, air released driveline mounted disc. 440 kN (98,920 lbf) 575 kW (771hp)	Filter STEERING SYSTEM Lock to lock turn: Steering Angle





## |:2] ARTICULATED TRUCK

### LOAD CAPACITY & GROUND PRESSURE

WEIGHTS			GROUND PRESSURE At 15% sinkage of unloaded radius and specified weights			LOAD CAPACITY		
UNLADEN	kg	lbs	UNLADEN	kPa	psi	BODY (Ribbed reinforced)	m <sup>3</sup>	cu.yd
Front	14,650	32,298	Front	99	14	Struck Capacity	16,9	22.1
Middle	7,810	17,218	Middle	49	7	SAE 2:1 Capacity	22,4	29.4
Rear	7,390	16,292	Rear	47	7	SAE 1:1 Capacity	27,4	35.8
Total	29,850	65,808	Total			SAE 2:1 Capacity		
LADEN			LADEN			with Autogate	23,7	30.1
Front	19,587	43,182	Front	254	37			
Middle	23,842	52,563	Middle	317	46	Rated Payload	37,000 kg	81.571 lbs
Rear	23,422	51637	Rear	315	46			
Total	66,851	147,381						

### GRADEABILITY/RIMPULL







