

B30L 4x4 1015 LOW PROFILE ARTICULATED DUMP TRUCK



Gross Power: 230 kW (308 hp)
Gross Torque: 1 295 Nm (955 lbft)
Rated Payload: 27 000 kg (59 524 lbs)

BELL

Courtesy of Machine.Market

B30L^{4x4}₁₀₁₅

LOW PROFILE
ARTICULATED
DUMP TRUCK

ENGINE

Configuration	Deutz BF6M 1015
Aspiration	V6 with exhaust brake valve
Cooling system	Turbocharged
Gross Power	Single pass radiator
Net Power	230 kW (308 hp) @ 2 100 rpm
Gross Torque	225 kW (301 hp) @ 2 100 rpm
Net Torque	1 295 Nm (955 lbf ²) @ 1 300 rpm
Displacement	1 259Nm (928 lbf ²) @ 1300 rpm
Fuel tank capacity	11.9 litres (726 cu.in)
	220 l (58.1 US gal)

TRANSMISSION

Layout	ZF 6WG 210
Gear layout	Countershaft design with integral drop box
	Constant mesh
Clutch type	Hydraulically operated, multiple disc
Control type	Shift modulated, electronic over hydraulic
Torque converter layout	Integral with transmission, with lockup in all gears
Interaxle diff lock	Yes (optional locked in permanent)
Vehicle Speeds	
Forward:	1st 5 km/h (3.1 mph)
	2nd 7 km/h (4.4 mph)
	3rd 12 km/h (7.5 mph)
	4th 18 km/h (11 mph)
Reverse:	1st 5 km/h (3.1 mph)

AXLES

Differential type	Bell
Final drive type	Spiral bevel gear
	Outboard heavy duty planetary reduction hubs
Housing type	Steel fabricated

BRAKING SYSTEM

Brake type	SAHR Brakes
Brake application	17 inch SAHR brakes all round
EMERGENCY BRAKE	Spring applied, pressure released
Application	Electrical
	Neutral
	Engine switch off
	Low transmission oil pressure

WHEELS

FRONT size	20.5 R 25 Radial
REAR size	18.00 R 25 Radial

HYDRAULIC SYSTEM

Pump type	Load-sensing with priority for brakes and steering. A ground driven, load sensing emergency steering pump is fitted as standard. Central manifold block for easy trouble shooting. Axial piston variable displacement load sensing
Application	Steering, bin tipping and hydraulic brake charging
Flow:	156 l/min (41 US gpm)
Pressure:	250 kPa (36.26 psi)
Hydraulic tank capacity	85 litre

PNEUMATIC SYSTEM

Air drier with heater and integral unloader valve, serving auxiliary functions

System pressure	850 kPa (123 psi)
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ELECTRICAL SYSTEM

Voltage	24 V
Battery type	2 maintenance free permanently sealed
Battery capacity	2 x 105 Ah
Alternator rating	28 V, 80 A

STEERING SYSTEM

Angle	Hydromechanically articulated with two double acting hydraulic cylinders ±40°
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BODY

Capacity Struck:	12 m ³ (15.7 yd ³)
Heaped: (SAE 2:1)	14.5 m ³ (19 yd ³)
Rated payload	27 000 kg (59 524 lbs)
Power down time	10 seconds
Raise time	15 seconds
Tipping angle	65 degrees

OPERATING WEIGHTS

Empty	Front:	11 831 kg (26 082 lbs)
	Rear:	8 528 kg (18 801 lbs)
	Total:	20 359 kg (44 883 lbs)
Laden	Front:	17 831 kg (39 310 lbs)
	Rear:	29 524 kg (65 089 lbs)
	Total	47 355 kg (104 399 lbs)

STANDARD EQUIPMENT

Cab	<ul style="list-style-type: none"> Enclosed, high visibility cab Heating, ventilation and air conditioning system Rotating beacon Suspension seat with retractable seat belt 25 Button SSM (pistol grip) with digital display
Lighting	<ul style="list-style-type: none"> 6 forward facing worklights 4 rear facing worklights 2 rear facing LED brake lights On/off switch on dash

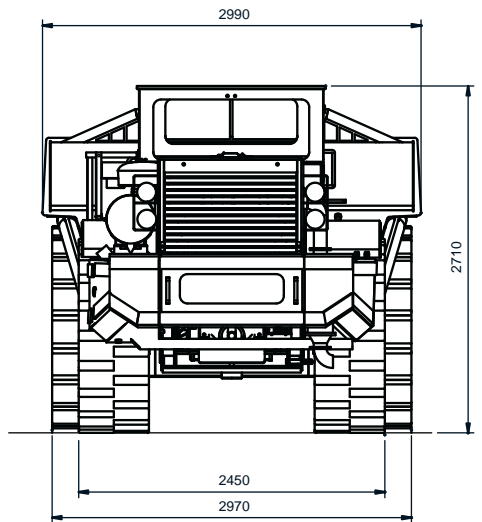
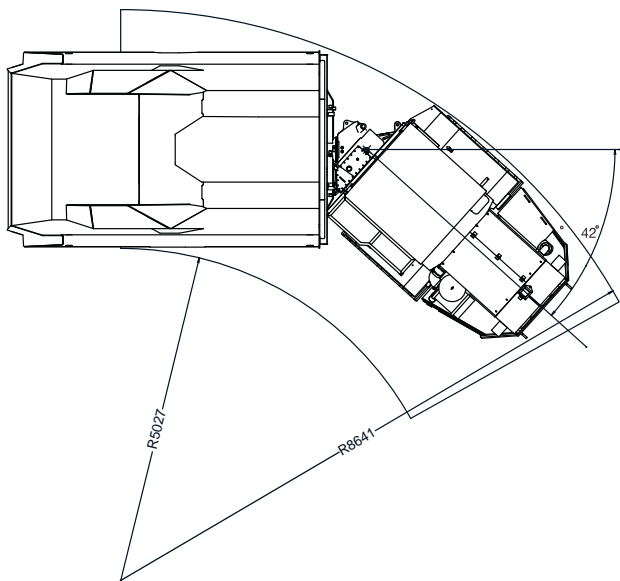
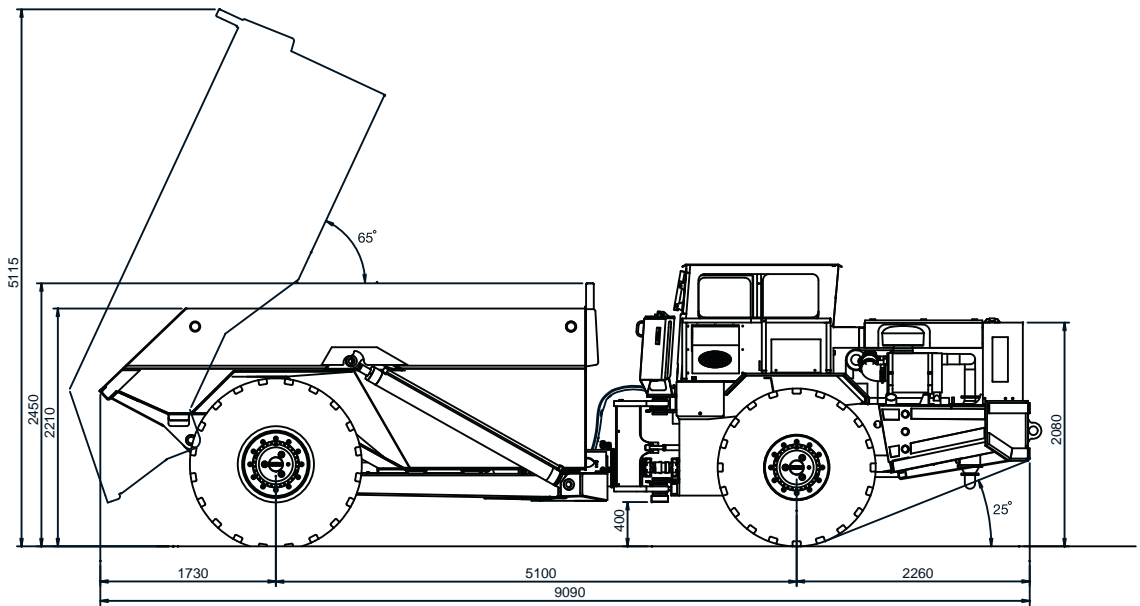
General	<ul style="list-style-type: none"> Bin liners SAHR Brakes 2 electrical hooters Electrical Isolator Wheel spanner set Flashing beacon Exhaust Brake Belly plate Exhaust purifier Exhaust silencer Non slip pads on all walk ways Centre forward facing cab Engine protection Engine over-rev protection Suspension seat Speedometer Voltmeter
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OPTIONS

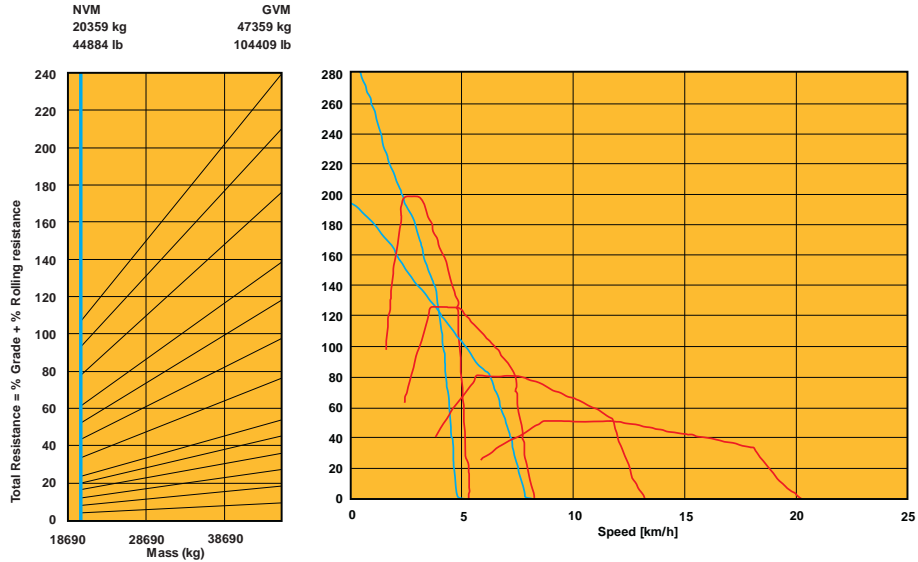
- Central greasing system
- Fire suppression system
- Fire extinguishers

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LINE DRAWINGS



GRADEABILITY/ RIM PULL




What makes the B30L a great performer...


- With a highly efficient power and drivetrain combined with low rolling resistance, the Bell B30L delivers superior fuel efficiency
- High performance engine with increased power and torque and long service intervals
- Powerful hydraulic transmission retarder drastically cuts brake use, extending pad life up to a factor of five
- Fewer scheduled service requirements


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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**

BELL