

E-series

4x4

Articulated Dump Trucks

B30E | B45E | B60E | Mk 3

Stage V Certified



- No tyre scuff thus less tyre and road surface damage
- Smaller turning circle than the associated 6x6 model
- Highly manoeuvrable in tight spaces
- Same payloads as 6x6 associated model

BELL

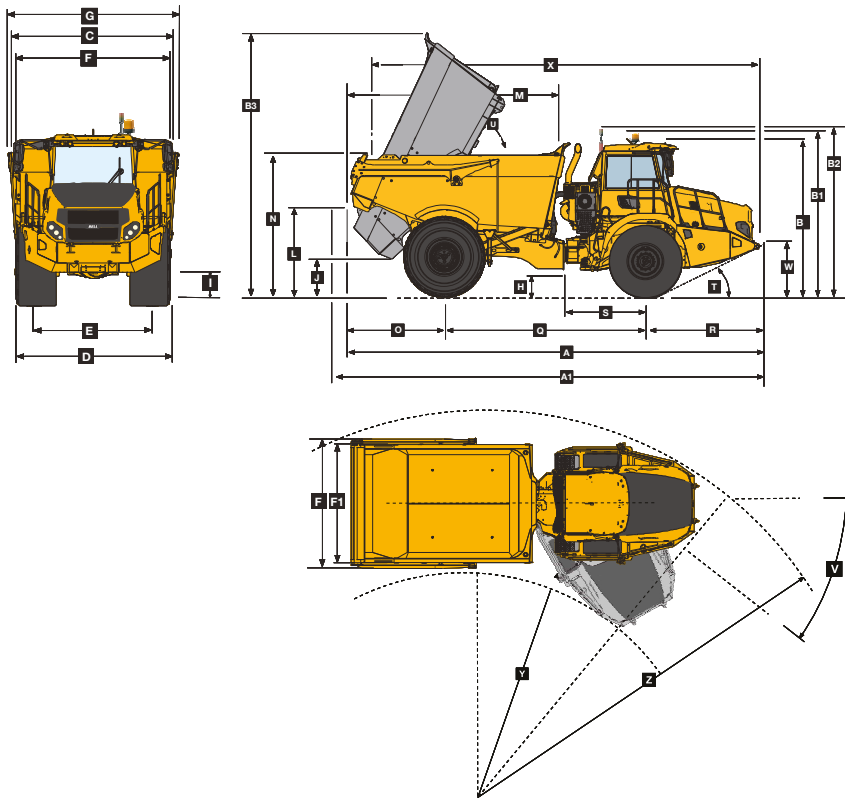
B30E 4x4 Articulated Dump Truck

ENGINE	Torque Control	Total Retardation Power	Lowering Time
Manufacturer Mercedes Benz	Hydrodynamic with lock-up in all gears	Continuous: 318 kW (426 hp) Maximum: 588 kW (788 hp)	6 s
Model OM936LA	TRANSFER CASE	WHEELS	Tipping Angle
Configuration Inline 6, turbocharged and intercooled	Manufacturer Kessler	Type Radial Earthmover	70° standard, or any lower angle programmable
Gross Power 260 kW (348 hp) @ 2 200 rpm	Series W1400	Tyre Front: 23.5 R25 Rear: 875/65 R29	PNEUMATIC SYSTEM
Net Power 250 kW (335 hp) @ 2 200 rpm	Layout Remote mounted	FRONT SUSPENSION	Air drier with heater and integral unloader valve, serving park brake and auxiliary functions.
Gross Torque 1 450 Nm (1 069 lbft) @ 1 150 -1 800 rpm	Gear Layout Three in-line helical gears	Semi-independent, leading A-frame supported by hydro-pneumatic suspension struts.	System Pressure 810 kPa (117 psi)
Displacement 7,7 litres (469 cu.in)	Output Differential Interaxle 33/67 proportional differential. Automatic inter-axle differential lock.	Optional: Adaptive Comfort Ride suspension.	ELECTRICAL SYSTEM
Auxiliary Brake Jacobs Engine Brake®	AXLES	HYDRAULIC SYSTEM	Voltage 24 V
Fuel Tank Capacity 302 litres (79.78 US gal)	Manufacturer Bell	Full load sensing system serving the prioritized steering, body tipping and brake functions. A ground-driven, load sensing emergency steering pump is integrated into the main system.	Battery Type Two AGM (Absorption Glass Mat) type.
AdBlue® Tank Capacity 31 litres (8.2 US gal)	Model Front: Bell 18T Rear: Bell 36T	Pump Type Variable displacement load sensing piston	Battery Capacity 2 X 75 Ah
Certification OM936LA meets EU Stage V emissions regulations	Front Differential High input limited slip differential with spiral bevel gears	Flow 165 l/min (44 gal/min)	Alternator Rating 28V 80A
TRANSMISSION	Final Drive Outboard heavy duty planetary on all axles	Pressure 28 MPa (4 061 psi)	VEHICLE SPEEDS
Manufacturer Allison	BRAKING SYSTEM	Filter 5 microns	1st 7 km/h 4 mph 2nd 12 km/h 8 mph 3rd 19 km/h 12 mph 4th 27 km/h 17 mph 5th 39 km/h 24 mph 6th 45 km/h 28 mph R 7 km/h 4 mph
Model 3400 ORS	Service Brake Dual circuit, full hydraulic actuation wet disc brakes on front and middle axles. Wet brake oil is circulated through a filtration and cooling system.	STEERING SYSTEM	CAB
Configuration Fully automatic planetary transmission	Maximum brake force: 284 kN (63 859 lbf)	Double acting cylinders, with ground-driven emergency steering pump.	ROPS/FOPS certified 72 dBA internal sound level measured according to ISO 6396.
Layout Engine mounted	Park & Emergency Spring applied, air released driveline mounted disc	Lock to lock turns 4,1	
Gear Layout Constant meshing planetary gears, clutch operated	Maximum brake force: 396 kN (89 000 lbf)	Steering Angle 45°	
Gears 6 Forward, 1 Reverse	Auxiliary Brake Automatic Jacobs Engine Brake®. Automatic retardation through electronic activation of wet brake system.	DUMPING SYSTEM	
Clutch Type Hydraulically operated multi-disc		Two double-acting, single stage, dump cylinders	
Control Type Electronic		Raise Time 12 s	

Load Capacity & Ground Pressure

OPERATING WEIGHTS		GROUND PRESSURE*		LOAD CAPACITY		OPTION WEIGHTS	
UNLADEN	kg (lb)	LADEN-No Sinkage		BODY	m³ (yd³)	kg (lb)	
Front	10 453 (23 045)	23.5 R 25	kPa (Psi)	Struck Capacity	15 (19,5)	EXTRA WHEELSET	
Rear	11 064 (24 392)	Front	278 (40)	SAE 2:1 Capacity	18,5 (24)	23.5 R25	565 (1 246)
Total	21 517 (47 437)			SAE 1:1 Capacity	21 (27,5)	875/65 R29	1 024 (2 258)
		875/65 R 29	kPa (Psi)				
LADEN		Rear	467 (67)	Rated Payload	28 000 kg		
Front	12 819 (28 261)				(61 729 lbs)		
Rear	36 698 (80 905)						
Total	49 517 (109 166)						

Dimensions

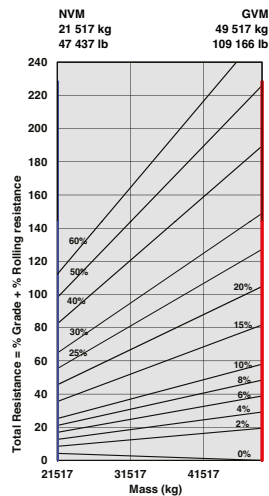


Machine Dimensions

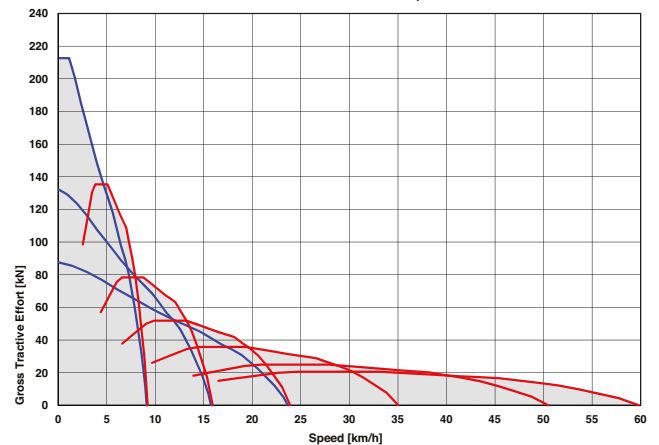
A	Length - Transport Position	9 193 mm (30.16 ft.)
A1	Length - Bin Fully Tipped	9 675 mm (31.74 ft.)
B	Height - Transport Position	3 426 mm (11.24 ft.)
B1	Height - Rotating Beacon	3 661 mm (12.01 ft.)
B2	Height - Load Light	3 747 mm (12.29 ft.)
B3	Bin Height - Fully Tipped	5 397 mm (17.7 ft.)
C	Width over Mudguards	2 985 mm (9.79 ft.)
D	Width over Tyres - 23.5 R25	2 940 mm (9.64 ft.)
D1	Width over Tyres - 875/65 R29	3 270 mm (10.72 ft.)
E	Tyre Track Width - 23.5 R25	2 356 mm (7.72 ft.)
E1	Tyre Track Width - 875/65 R29	2 385 mm (7.82 ft.)
F	Width over Bin	3 140 mm (10.3 ft.)
F1	Width over Tailgate	3 453 mm (11.32 ft.)
G	Width over Mirrors - Operating Position	3 260 mm (10.69 ft.)
H	Ground Clearance - Artic	537 mm (1.76 ft.)
I	Ground Clearance - Front Axle	488 mm (1.6 ft.)
J	Ground Clearance - Bin Fully Tipped	374 mm (1.22 ft.)
L	Bin Lip Height - Transport Position	2 310 mm (7.57 ft.)
M	Bin Length	4 425 mm (14.51 ft.)
N	Load over Height	3 150 mm (10.33 ft.)
O	Rear Axle Centre to Bin Rear	2 093 mm (6.86 ft.)
Q	Rear Axle Centre to Front Axle Centre	4 565 mm (14.97 ft.)
R	Front Axle Centre to Machine Front	2 602 mm (8.53 ft.)
S	Front Axle Centre to Artic Centre	1 362 mm (4.46 ft.)
T	Approach Angle	25 °
U	Maximum Bin Tip Angle	70 °
V	Maximum Articulation Angle	45 °
W	Front Tie Down Height	1 075 mm (3.52 ft.)
X	Machine Lifting Centres	7 968 mm (26.14 ft.)
Y	Inner Turning Circle Radius - 23.5 R25	3 526 mm (11.56 ft.)
Z	Outer Turning Circle Radius - 23.5 R25	7 316 mm (24 ft.)

Grade Ability/Rimpull

1. Determine tractive resistance by finding intersection of vehicle mass line and grade line. NOTE: 2% typical rolling resistance is already assumed in chart and grade line.
2. From this intersection, move straight right across charts until line intersects rimpull curve.
3. Read down from this point to determine maximum speed attained at that tractive resistance.

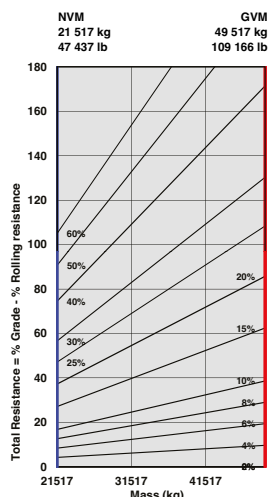


ADT, B30E 4x4 Tractive Effort

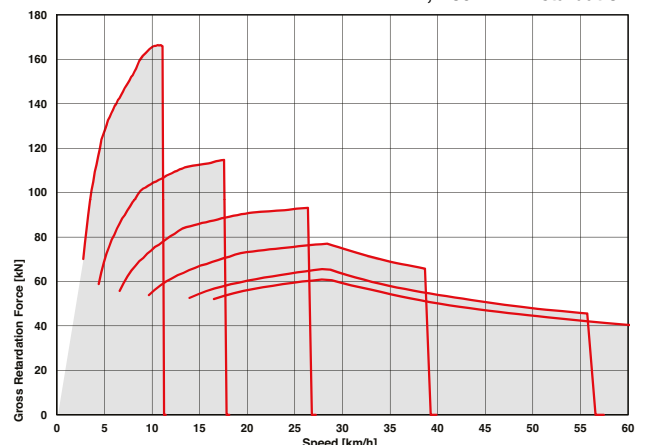


Retardation

1. Determine retardation force required by finding intersection of vehicle mass line.
2. From this intersection, move straight right across charts until line intersects the curve. NOTE: 2% typical rolling resistance is already assumed in chart.
3. Read down from this point to determine maximum speed.



ADT, B30E 4x4 Retardation



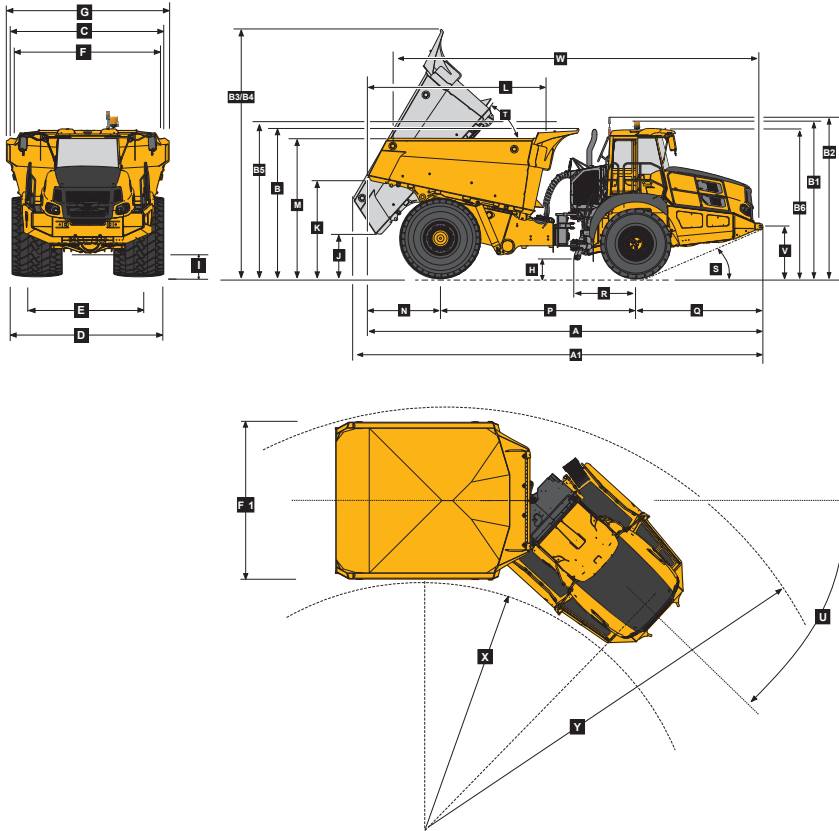
B45E 4x4 Articulated Dump Truck

<div>ENGINE</div> <div>Manufacturer Mercedes Benz (MTU)</div> <div>Model OM471LA (MTU 6R 1300)</div> <div>Configuration Inline 6, turbocharged and intercooled</div> <div>Gross Power 390 kW (523 hp) @ 1 700 rpm</div> <div>Net Power 369 kW (495 hp) @ 1 700 rpm</div> <div>Gross Torque 2 460 Nm (1 814 lbf) @ 1 300 rpm</div> <div>Displacement 12,8 litres (781 cu.in)</div> <div>Auxiliary Brake Jacobs Engine Brake®</div> <div>Fuel Tank Capacity 352 litres (93 US gal)</div> <div>AdBlue® Tank Capacity 40 litres (11 US gal)</div> <div>Certification OM471LA (MTU 6R 1300) meets EU Stage V emissions regulations.</div>	<div>Torque Control Hydrodynamic with lock-up in all gears</div> <div>TRANSFER CASE Manufacturer Kessler Series W2400 Layout Remote mounted Gear Layout Three in-line helical gears Output Differential Interaxle 29/71 proportional differential. Automatic inter-axle differential lock.</div> <div>AXLES Manufacturer Bell Model Front: Bell 30T Rear: Kessler D106 Differential Front: High input controlled traction Differential with spiral bevel gears. Rear: Centre input open differential with spiral bevel gears. Final Drive Outboard heavy duty planetary on all axles</div> <div>BRAKING SYSTEM Service Brake Dual circuit, full hydraulic actuation wet disc brakes on front and rear axles. Wet brake oil is circulated through a filtration and cooling system. Maximum brake force: 330 kN (74 187 lbf) Park & Emergency Spring applied, air released driveline mounted disc Maximum brake force: 379 kN (85 203 lbf)</div>	<div>Auxiliary Brake Automatic Jacobs Engine Brake®. Automatic retardation through electronic activation of wet brake system. Total Retardation Power Continuous: 442 kW (593 hp) Maximum: 854 kW (1 145 hp)</div> <div>WHEELS Type Radial Earthmover Tyre Front: 775/65 R29 (26.5 R25 optional) Rear: 21.00 R35 Dual</div> <div>FRONT SUSPENSION Semi-independent, leading A-frame supported by hydro-pneumatic suspension struts. Optional: Electronically controlled adaptive suspension with ride height adjustment.</div> <div>HYDRAULIC SYSTEM Full load sensing system serving the prioritized steering, body tipping and brake functions. A ground-driven, load sensing emergency steering pump is integrated into the main system. Pump Type Variable displacement load sensing piston Flow 330 L/min (87 gal/min) Pressure 315 bar (4 569 psi) Filter 5 microns</div> <div>STEERING SYSTEM Double acting cylinders, with ground-driven emergency steering pump. Lock to lock turns 5 Steering Angle 42°</div>	<div>DUMPING SYSTEM Two double-acting, two stage telescopic, dump cylinders Raise Time 13 s Lowering Time 13 s Tipping Angle 55° standard, or any lower angle programmable</div> <div>PNEUMATIC SYSTEM Air drier with heater and integral unloader valve, serving park brake and auxiliary functions. System Pressure 810 kPa (117 psi)</div> <div>ELECTRICAL SYSTEM Voltage 24 V Battery Type Two AGM (Absorption Glass Mat) type Battery Capacity 2 X 75 Ah Alternator Rating 28V 80A</div> <div>VEHICLE SPEEDS 1st3,5 km/h2,1 mph 2nd8 km/h5 mph 3rd15 km/h9 mph 4th21 km/h13 mph 5th31 km/h19 mph 6th42 km/h26 mph 7th48 km/h30 mph R6 km/h3,7 mph</div> <div>CAB ROPS/FOPS certified 76 dBA internal sound level measured according to ISO 6396.</div>
<div>TRANSMISSION Manufacturer Allison Model 4700 ORS Configuration Fully automatic planetary transmission Layout Engine mounted Gear Layout Constant meshing planetary gears, clutch operated Gears 7 Forward, 1 Reverse Clutch Type Hydraulically operated multi-disc Control Type Electronic</div>			

Load Capacity & Ground Pressure

OPERATING WEIGHTS		GROUND PRESSURE*		LOAD CAPACITY		OPTION WEIGHTS	
UNLADEN	kg (lb)	LADEN		BODY	m³ (yd³)		kg (lb)
Front	17 548 (38 686)	No Sinkage/Total Contact Area		Struck Capacity	19,5 (25,5)	Bin liner	1 404 (3 095)
Rear	15 768 (34 762)	775/65 R29	kPa (Psi)	SAE 2:1 Capacity	25 (33)	Tailgate	1 435 (3 163)
Total	33 316 (73 448)	Front	367 (53)	SAE 1:1 Capacity	29,5 (38)		
				SAE 2:1 Capacity with Tailgate	26 (34)	EXTRA WHEELSET	
LADEN		26.5 R 25	kPa (Psi)			775/65 R29	888 (1 958)
Front	22 190 (48 921)	Front	400 (58)			21.00 R35	1 012 (2 231)
Rear	52 126 (114 918)						
Total	74 316 (163 839)	21.00 R35	kPa (Psi)	Rated Payload	41 000 kg		
		Rear	419 (61)		(90 390 lbs)		

Dimensions

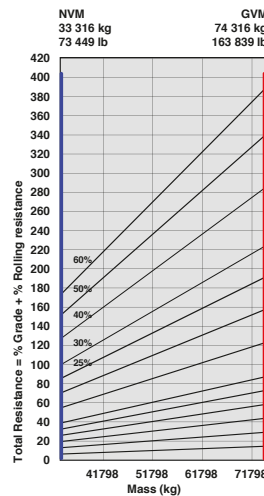


Machine Dimensions

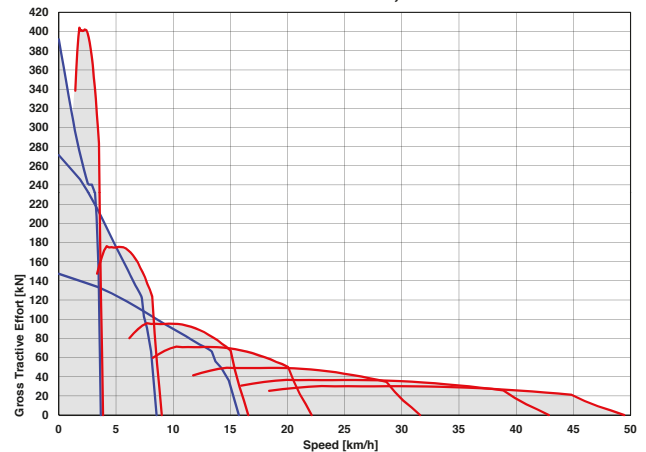
A	Length - Transport Position with Tailgate	10 131 mm (33.23 ft.)
A	Length - Transport Position w/o Tailgate	10 111 mm (33.176 ft.)
A1	Length - Bin Fully Tipped	10 449 mm (34.28 ft.)
B	Height - Transport Position w/o Rock Guard	3 864 mm (12.67 ft.)
B	Height - Transport Position with Rock Guard	4 236 mm (13.89 ft.)
B1	Height - Rotating Beacon	4 038 mm (13 ft.3 in.)
B2	Height - Load Light	4 127 mm (13 ft.6 in.)
B3	Bin Height - Fully Tipped w/o Rock Guard	6 200 mm (20.34 ft.)
B4	Bin Height - Fully Tipped with Rock Guard	6 400 mm (20.99 ft.)
B5	Height - Rock Guard Operating Position	4 236 mm (13.89 ft.)
B6	Height - Cab	3 802 mm (12 ft.6 in.)
C	Width over Mudguards	3 495 mm (11 ft.6 in.)
D	Width over Front Tyres 775/65R29	3 690 mm (12 ft.)
D1	Width over Front Tyres 26.5R25	3 425 mm (11.2 ft.)
D	Width over Rear Tyres 21.00R35	3 960 mm (13 ft.)
E	Tyre Track Width Front 775/65R29	2 905 mm (9.5 ft.)
E1	Tyre Track Width Front 26.5R25	2 793 mm (9.2 ft.)
E	Tyre Track Width Rear 21.00R35	2 677 mm (8.8 ft.)
F	Width over Bin	4 265 mm (14 ft.)
F1	Width over Tailgate	4 553 mm (14.93 ft.)
G	Width over Mirrors - Operating Position	4 558 mm (15 ft.)
H	Ground Clearance - Artic	545 mm (21.46 in.)
I	Ground Clearance - Front Axle	543 mm (21.34 in.)
J	Ground Clearance - Bin Fully Tipped	913 mm (3 ft.)
K	Bin Lip Height - Transport Position	2 557 mm (8.34 ft.)
L	Bin Length	4 559 mm (14.96 ft.)
M	Load over Height	3 481 mm (11.4 ft.)
N	Rear Axle Centre to Bin Rear	1 860 mm (6.1 ft.)
P	Rear Axle Centre to Front Axle Centre	5 000 mm (16.4 ft.)
Q	Front Axle Centre to Machine Front	3 256 mm (10 ft.8 in.)
R	Front Axle Centre to Artic Centre	1 558 mm (5 ft.1 in.)
S	Approach Angle	24 °
T	Maximum Bin Tip Angle	55 °
U	Maximum Articulation Angle	42 °
V	Front Tie Down Height	1 262 mm (4 ft.2 in.)
W	Machine Lifting Centres	9 415 mm (30.9 ft.)
X	Inner Turning Circle Radius	3 956 mm (12.9 ft.)
Y	Outer Turning Circle Radius	8 655 mm (28.4 ft.)

Grade Ability/Rimpull

1. Determine tractive resistance by finding intersection of vehicle mass line and grade line. NOTE: 2% typical rolling resistance is already assumed in chart and grade line.
2. From this intersection, move straight right across charts until line intersects rimpull curve.
3. Read down from this point to determine maximum speed attained at that tractive resistance.

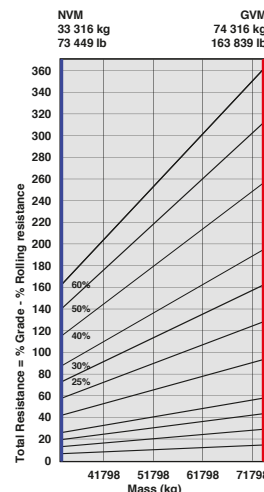


ADT, B45E 4x4 - Tractive Effort

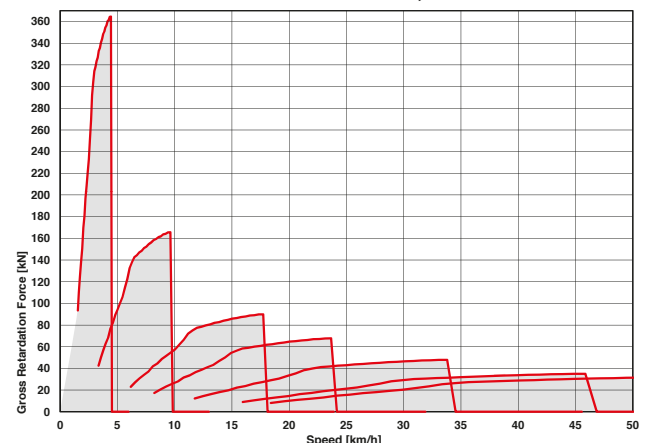


Retardation

1. Determine retardation force required by finding intersection of vehicle mass line.
2. From this intersection, move straight right across charts until line intersects the curve. NOTE: 2% typical rolling resistance is already assumed in chart.
3. Read down from this point to determine maximum speed.



ADT, B45E 4x4 - Retardation



Welcome to the ...

BELL Family

“Power up and plug in
to our end-to-end
customer solutions!”

START

Through our living motto **‘Strong Reliable Machines, Strong Reliable Support’**, we offer both exceptional equipment and aftermarket support products because we want your Bell ownership experience to be a happy one.



SETTING YOU UP FOR SUCCESS



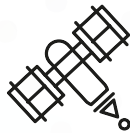
TRAINING



PROTECTING YOUR ASSETS



LUBE CHECK



MAINTENANCE CONTRACT



EXTENDED WARRANTY



FLEETM@TIC®



KEEPING YOUR MACHINE RUNNING

LUBRICANTS

PARTS

SERVICE KITS

TECHNICAL SUPPORT

SPECIAL TOOLS

BELL OUTLETS



REMAN COMPONENTS



PRE-OWNED EQUIPMENT

GIVING YOU EXTRA VALUE, LONGER LIFE



SUPPORTING YOU EVERY STEP OF YOUR BELL OWNERSHIP EXPERIENCE

Smarter fleet management



Cutting edge technology, helping you run your fleet smarter. Providing accurate, up-to-date operational data, production data and diagnostic data.

The key to a productive and profitable fleet, lies in the ability to monitor and manage your machines and operators efficiently. Machine operational data is processed and compiled into useful production and performance statistics, accessible via the Bell Fleetm@tic® website. These reports are also automated and emailed directly to you. The two monitoring packages that we have available, are:

- **The Classic Package** supplies you with good enough information for you to have a very good understanding of how your machine is operating for each shift that it runs. This package comes standard with the machine for 2 years.
- **The Premium Package** is focused on customers who need to have extremely detailed information of the machine's operation. For this package we offer similar information to that of the Classic Package but for each individual laden - unladen cycle. In addition, live tracking is available on the Fleetm@tic® website on a per minute basis.

Fleetm@tic®:

- Maximise productivity
- Generate machine utilisation reports
- Identify operator training requirements
- Pro-active maintenance planning
- Implement safety features
- Receive machine fault codes as well as suggested trouble shooting procedures
- Protect investments
- Receive real time geospatial data



B60E All Wheel Drive



The Bell B60E offers our customers more tonnage than ever before, and at a related lower cost per tonne.

It keeps all of the traditional Bell safety and productivity features while still offering off-road capability that non-ADT solutions cannot match.

Bell has a history of leading the ADT industry and offering our customers more in two distinct ways - through the innovations that we apply to our products and our principle that larger trucks give lower cost per tonne. These two factors are ideally combined in the B60E to give a real value adding package.

The Bell B60E has been developed as a result of the Bell tradition of listening to our customers. They were looking for a machine that would perform better than conventional haulage solutions in slippery and undulating conditions, but didn't need the 'go anywhere' ability of a 3 axle 6x6 ADT.

In response Bell has filled this conspicuous gap in the market with the B60E crossover solution.

The B60E has been enthusiastically received, giving productivity during adverse weather conditions when other machines are unable to operate, and also tolerating less site maintenance, which has large cost and hassle implications for many sites.



- The oscillation joint is what makes an ADT. It keeps the wheels on the ground ensuring traction when driving over rough terrain. The B60E has inherited the oscillation joint of the B50E, which has been strengthened appropriately.

- By configuring the driveline to direct drive to all wheels, the Bell B60E can go places where conventional trucks cannot.

- At 35m³ this is the largest ADT bin in the world today. You can carry more material and make more money, it's that simple.



- Articulated steering between the front and rear chassis produces much tighter turning circles than a steered axle, and makes the B60E an ideal machine for tight sites.
- In deep soft mud it won't necessarily match its 3 axle counterparts but it has proven itself to be a more than capable machine in challenging conditions.



B60E 4x4 Articulated Dump Truck

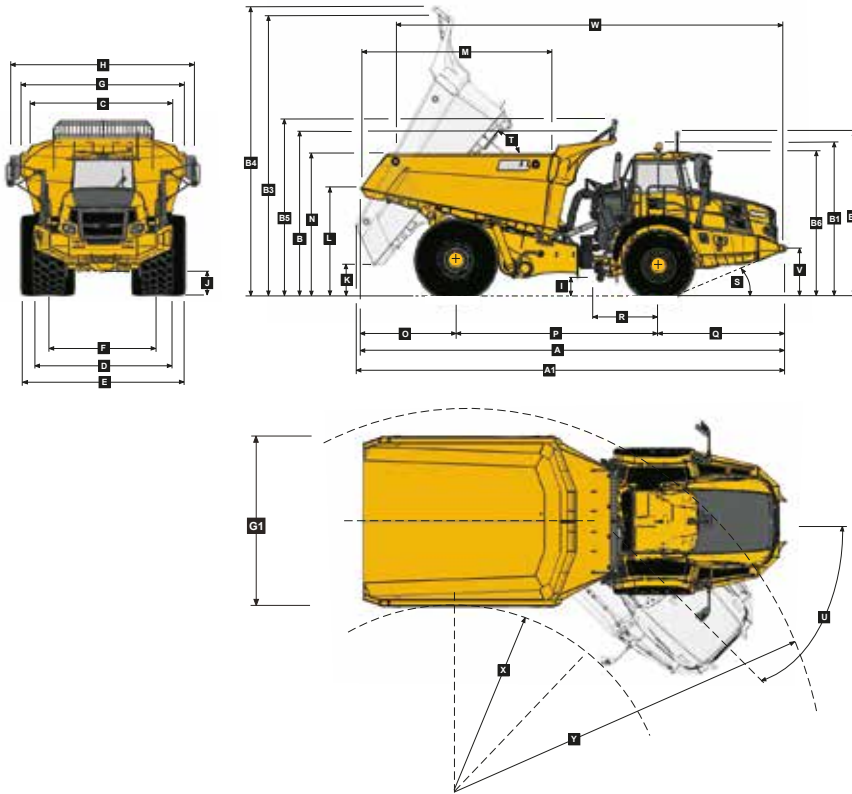
ENGINE	Torque Control	Auxiliary Brake	Lock to lock turns
Manufacturer Mercedes Benz (MTU)	Hydrodynamic with lock-up in all gears	Automatic Jacobs Engine Brake®. Automatic retardation through electronic activation of wet brake system.	4,9
Model OM473LA (MTU 6R 1500)	TRANSFER CASE	Total Retardation Power Continuous: 574 kW (770 hp) Maximum: 983 kW (1 318 hp)	Steering Angle 42°
Configuration Inline 6, turbocharged and intercooled	Manufacturer Kessler	WHEELS	DUMPING SYSTEM
Gross Power 430 kW (577 hp) @ 1 700 rpm	Series W2400	Type Radial Earthmover	Two double-acting, two stage telescopic, dump cylinders
Net Power 405 kW (543 hp) @ 1 700 rpm	Layout Remote mounted	Tyre Front: 875/65 R29 Rear: Twin 24.00 R35	Raise Time 17 seconds
Gross Torque 2 750 Nm (2 028 lbft) @ 1 300 rpm	Gear Layout Three in-line helical gears	FRONT SUSPENSION	Lowering Time 18 seconds
Displacement 15,6 litres (952 cu.in)	Output Differential Interaxle 29/71 proportional differential. Automatic inter-axle differential lock.	Semi-independent, leading A-frame supported by hydro-pneumatic suspension struts. Suspension is electronically controlled adaptive suspension with ride height adjustment.	Tipping Angle 55 deg standard, or any lower angle programmable
Auxiliary Brake Jacobs Engine Brake®	AXLES	REAR SUSPENSION	PNEUMATIC SYSTEM
Fuel Tank Capacity 494 litres (130 US gal)	Manufacturer Front - Bell Rear - Kessler	Trailing arm cradle supported by hydro-pneumatic suspension struts, with an additional lateral stabiliser.	Air drier with heater and integral unloader valve, serving park brake and auxiliary functions.
AdBlue® Tank Capacity 40 litres (11 US gal)	Model Front: 30T Rear: 71T	HYDRAULIC SYSTEM	System Pressure 810 kPa (117 psi)
Certification OM473LA (MTU 6R 1500) meets EU Stage V emissions regulations.	Differential Front: High input controlled traction differential with spiral bevel gears. Rear: Centre input open differential with spiral bevel gears.	Full load sensing system serving the prioritized steering, body tipping, suspension and brake functions. A ground-driven, load sensing emergency steering pump is integrated into the main system.	ELECTRICAL SYSTEM
TRANSMISSION	Final Drive Outboard heavy duty planetary on all axles	Pump Type Variable displacement load sensing piston	Voltage 24 V
Manufacturer Allison	BRAKING SYSTEM	Flow 330 L/min (87 gal/min)	Battery Type Two AGM (Absorption Glass Mat) type
Model 4800 ORS	Service Brake Dual circuit, full hydraulic actuation wet disc brakes on front and rear axles. Wet brake oil is circulated through a filtration and cooling system. Maximum brake force: 437 kN (98 242 lbf)	Pressure 250 bar (3 626 psi)	Battery Capacity 2 X 75 Ah
Configuration Fully automatic planetary transmission	Park & Emergency Spring applied, air released driveline mounted disc Maximum brake force: 379 kN (85 203 lbf)	Filter 5 microns	Alternator Rating 28V 80A
Layout Engine mounted		STEERING SYSTEM	MAX. VEHICLE SPEED
Gear Layout Constant meshing planetary gears, clutch operated		Double acting cylinders, with ground-driven emergency steering pump.	1st 4 km/h 2,5 mph 2nd 8 km/h 5,6 mph 3rd 16 km/h 10,6 mph 4th 21 km/h 13,7 mph 5th 30 km/h 20 mph 6th 41 km/h 27 mph 7th 47 km/h 32 mph R 6 km/h 4 mph
Gears 7 Forward, 1 Reverse			CAB
Clutch Type Hydraulically operated multi-disc			ROPS/FOPS certified 77 dBA internal sound level measured according to ISO 6396.
Control Type Electronic			

Load Capacity & Ground Pressure

OPERATING WEIGHTS		GROUND PRESSURE*		LOAD CAPACITY		OPTION WEIGHTS	
UNLADEN	kg (lb)	LADEN		BODY	m³ (yd³)		kg (lb)
Front	20 211 (44 558)	(No sinkage/		Struck Capacity	27 (35,3)	Bin liner	1 116 (2 460)
Rear	22 265 (49 086)	Total Contact Area Method)		SAE 2:1 Capacity	35 (45,8)	Tailgate	1 516 (3 342)
Total	42 476 (93 644)	875/65 R29	kPa (Psi)	SAE 1:1 Capacity	42 (54,9)		
		Front	333 (48)	SAE 2:1 Capacity with Tailgate	35,6 (46,6)	EXTRA WHEELSET	
LADEN						875/65 R29	1 024 (2 258)
Front	26 811 (59 108)	24.00 R35	kPa			24.00 R35	1 240 (2 734)
Rear	70 665 (155 768)	Rear	469 (68)	Rated Payload	55 000 kg		
Total	97 476 (214 898)				(121 254 lb)		

* Front ground pressure calculated with Michelin XAD65-1 tyre. Rear ground pressure calculated with Michelin XDT B tyre.

Dimensions

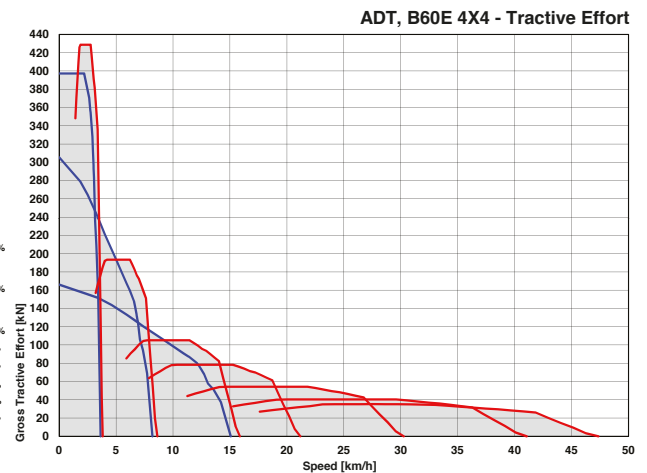
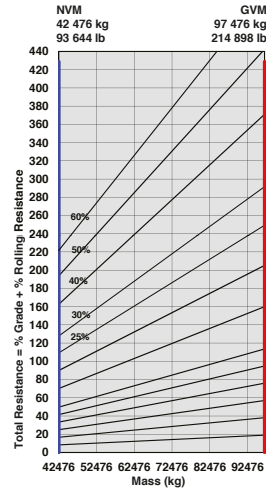


Machine Dimensions

A	Length - Transport Position	11 114 mm (36 ft. 6 in.)
A1	Length - Bin Fully Tipped	11 178 mm (36 ft. 8 in.)
B	Height - Transport Position w/o Rock Guard	4 209 mm (13 ft. 10 in.)
B	Height - Transport Position with Rock Guard	4 212 mm (13 ft. 10 in.)
B1	Height - Rotating Beacon	4 050 mm (13 ft. 3 in.)
B2	Height - Load Light	4 333 mm (14 ft. 2 in.)
B3	Bin Height - Fully Tipped w/o Rock Guard	7 476 mm (24 ft. 6 in.)
B4	Bin Height - Fully Tipped with Rock Guard	7 692 mm (25 ft. 3 in.)
B5	Height - Rock Guard Operating Position	4 675 mm (15 ft. 4 in.)
B6	Height - Cab	3 813 mm (12 ft. 6 in.)
C	Width over Mudguards	3 790 mm (12 ft. 5 in.)
D	Width over Tyres - Front - 875/65 R29	3 832 mm (12 ft. 7 in.)
E	Width over Tyres - Rear - 24.00R35	4 444 mm (14 ft. 7 in.)
F	Tyre Track Width - Front	2 949 mm (9 ft. 8 in.)
F	Tyre Track Width - Rear	2 992 mm (9 ft. 10 in.)
G	Width over Bin	4 487 mm (14 ft. 9 in.)
G1	Width over Tailgate	4 800 mm (15 ft. 9 in.)
H	Width over Mirrors - Operating Position	5 242 mm (17 ft. 2 in.)
I	Ground Clearance - Artic	561 mm (22.09 in.)
J	Ground Clearance - Front Axle	554 mm (21.81 in.)
K	Ground Clearance - Bin Fully Tipped	851 mm (33.5 in.)
L	Bin Lip Height - Transport Position	2 952 mm (9 ft. 8 in.)
M	Bin Length	5 036 mm (16 ft. 6 in.)
N	Load over Height	3 824 mm (12 ft. 7 in.)
O	Rear Axle Centre to Bin Rear	2 477 mm (8 ft. 2 in.)
P	Rear Axle Centre to Front Axle Centre	5 285 mm (17 ft. 4 in.)
Q	Front Axle Centre to Machine Front	3 352 mm (11 ft.)
R	Front Axle Centre to Artic Centre	1 558 mm (5 ft. 1 in.)
S	Approach Angle	22 °
T	Maximum Bin Tip Angle	55 °
U	Maximum Articulation Angle	42 °
V	Front Tie Down Height	1 263 mm (4 ft. 2 in.)
W	Machine Lifting Centres	10 116 mm (33 ft. 2 in.)
X	Inner Turning Circle Radius	4 246 mm (13 ft. 11 in.)
Y	Outer Turning Circle Radius	9 216 mm (30 ft. 3 in.)

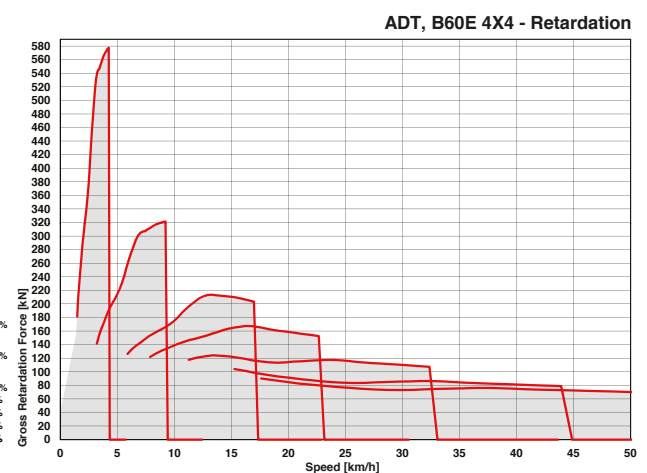
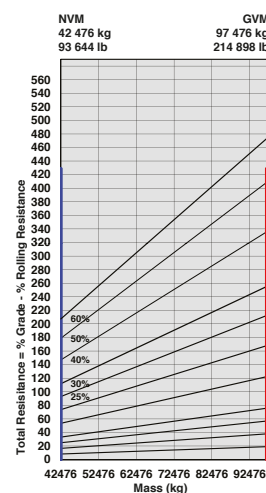
Grade Ability/Rimpull

1. Determine tractive resistance by finding intersection of vehicle mass line and grade line. NOTE: 2% typical rolling resistance is already assumed in chart and grade line.
2. From this intersection, move straight right across charts until line intersects rimpull curve.
3. Read down from this point to determine maximum speed attained at that tractive resistance.



Retardation

1. Determine retardation force required by finding intersection of vehicle mass line.
2. From this intersection, move straight right across charts until line intersects the curve. NOTE: 2% typical rolling resistance is already assumed in chart.
3. Read down from this point to determine maximum speed.



Features and Options

● STANDARD ▲ OPTION

B30E 4x4	B45E 4x4	B60E 4x4	
●	●	●	ENGINE
●	●	●	Jacobs Engine Brake®
●	●	●	Dual element air cleaner with dust ejector valve
●	●	●	Pre-cleaner with automatic dust scavenging
●	●	●	Water separator
●	●	●	Serpentine drive belt with automatic tensioner
●	●	●	Provision for fast fill
	●	●	Wet-sleeve cylinder liners
			COOLING
●	●	●	Crankshaft mounted electronically controlled viscous fan drive
●	●	●	Fan guard
			PNEUMATIC SYSTEM
●	●	●	Engine-mounted compressor
●	●	●	Air drier with heater
●	●	●	Integral unloader valve
			ELECTRICAL SYSTEM
●	●	●	Battery disconnect
●	●	●	Halogen drive lights
	▲	●	LED drive lights
●	●	●	Air horn
	●	●	Reverse alarm
▲	▲	▲	White noise reverse alarm
●	●	●	Rotating beacon
●	●	●	Pitch roll sensor
▲	▲	●	LED Artic reverse light
●	●	●	Halogen artic reverse lights
●	●	●	LED reverse lights
			STEERING SYSTEM
●	●	●	Bi-directional ground-driven secondary steering pump
			CAB
●	●	●	ROPS/FOPS certification
●	●	●	Tilt cab
●	●	●	Gas strut-supported door
●	●	●	I-Tip programmable dump-body tip settings
●	●	●	HVAC Climate control system
●	●	●	AM/FM radio with Aux + USB
●	●	●	Rear window guard
●	●	●	Wiper/washer with intermittent control
●	●	●	Tilt and telescoping steering wheel
●	●	●	Center-mount air-suspension seat
●	●	●	Halogen work lights
▲	▲	●	LED work lights
▲	▲	▲	Rotating beacon: seat belt installation
▲	▲	▲	Remote engine and machine isolation
▲	●	●	Remote battery jump start
●	●	●	Retractable 3 point seat belt
●	●	●	Heated seat
●	●	●	Foldaway trainer seat with retractable seat belt
●	●	●	12-volt power outlet
●	●	●	Cab utility bin (removable)
●	●	●	Cup holder
●	●	●	Cooled/heated lunch box
	●	●	Manually adjusted mirrors
	▲	●	Heated mirrors

B30E 4x4	B45E 4x4	B60E 4x4	
●	●		CAB (continued)
●	●	●	Electric adjustable and heated mirrors
			Deluxe 10" color LCD:
			Speedometer / Fuel gauge /
			Transmission oil temperature gauge /
			Engine coolant temperature gauge /
			LED function/warning indicators and audible alarm /
			Transmission gear selection /
			Tachometer / Battery voltage / Hour meter /
			Odometer / Fuel consumption / Tip counter /
			Trip timer / Trip distance / Metric/English units /
			Service codes/diagnostics
●	●	●	Backlit sealed switch module functions with:
			Wiper control / Lights / Heated mirrors /
			Retarding aggressiveness / Transfer case differential lock /
			Transmission gear hold /
			Dump-body tip limit / Automatic dump-body tip settings /
			Air conditioner/ Heater controls /
			Preselected Speed Control
			DUMP BODY
●	●	●	Dump body mechanical locks (x2). Partially up and fully up
▲	▲	▲	Body liner (Partial for B60E)
▲	▲	▲	Tailgate
▲	▲	▲	Body heater
▲	▲	▲	Less dump body and cylinders
	▲	▲	Bin pole lockout
		▲	Rear wheel mudguards
			OTHER
●	●	●	Automatic Traction Control (ATC)
●	●	●	Wet disc brakes
●			23.5 R25 Radial Earthmover tyres (Front)
	●		775/65 R29 Radial Earthmover tyres (Front)
		●	875/65 R29 Radial Earthmover tyres (Front)
			26.5 R25 Radial Earthmover tyres (Front-optional)
●	▲		875/65 R29 Radial Earthmover tyres (Rear)
	●		21.00 R35 Dual (Rear)
	●		24.00 R35 Dual (Rear)
●	●	●	Remote grease banks
▲	▲	●	Automatic greasing
●	●	●	Onboard Weighing
▲	▲	●	Load lights: stack
▲	●	●	Comfort ride suspension (Front)
		●	Comfort ride suspension (Rear)
▲	●	●	Reverse camera
●	●	●	Hand rails
●	●	●	Cab peak
●	●	●	High pressure hydraulic filter
▲	▲	▲	Fuel heater
●	●	●	Belly cover
●	●	●	Cross member cover
▲	▲	●	Remote transmission filters
●	●	●	Engine and transmission remote drain-gravity
	▲	▲	Engine and transmission remote drain-scavenge
▲	▲	▲	Window smash button
●	●	●	High visibility mirrors
●	●	●	Fleetm@tic® Classic Package for 2 years
●	●	●	Electronic bonnet opening

All dimensions are shown in millimeters, unless otherwise stated between brackets.
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