

# E-series

B40E | B45E | B50E • PIN3

# 6x6

Articulated Dump Trucks

Stage V/Tier 4F Certified



**BELL**

# E is for evolution

Your business is our business. Bell Articulated Dump Trucks haul more, for longer at the lowest cost-per-ton to deliver more on your profit margins.

As a global leader in Articulated Dump Trucks, Bell Equipment brings you the world class E-series range. The evolutionary E-series is packed with class leading features that deliver production boosting payloads, lower daily operating costs, superior ride quality and uncompromised safety standards.

Bell E-series ADTs will give your business the competitive edge you need.

- Extensive use of high-strength, lightweight materials give our trucks the best payload-to-mass ratios and hauling efficiencies in each class.

- With their oscillating frame and high-flotation tires, Bell trucks won't leave you stuck in muddy, rutted or hilly terrain.

- The redesigned, sound-suppressed cab features fatigue-beating controls, an advanced diagnostic monitor and a sealed switch module for convenient, fingertip operation of machine functions.

- Fuel-efficient emission certified engines deliver clean power without compromise in all conditions. Leading-edge emissions technology ensures rapid engine response and dependable cold-start performance.



The E-series range takes ADT functionality to new industry standards, with customer-focused enhancements and the highest level of automated machine protection available.

Through substantial investments in Research and Development and employing industry-leading technology, advancements in the key areas of performance and fuel efficiency – help you to move more material at lower operating costs and environmental impact.



Specifications	B40E	B45E	B50E
Maximum net power	380 kW (510 hp)	390 kW (523 hp)	430 kW (577 hp)
Operating mass			
Empty	32,455 kg (71,551 lb)	33,052 kg (72,867 lb)	35,885 kg (79,113 lb)
Loaded	71,455 kg (157,531 lb)	74,052 kg (163,257 lb)	81,285 kg (179,203 lb)
Rated payload	39,000 kg (85,980 lb)	41,000 kg (90,390 lb)	45,400 kg (100,090 lb)
2:1 heaped capacity	24 m <sup>3</sup> (31.4 yd <sup>3</sup> )	25 m <sup>3</sup> (32.7 yd <sup>3</sup> )	27,5 m <sup>3</sup> (36 yd <sup>3</sup> )

# Building on pedigree

Building on from the proven D-series platform, Bell Equipment's evolutionary approach to design delivers optimized power-to-weight ratios and legendary fuel efficiency.



- Automatic Traction Control (ATC) is achieved with speed sensors providing feedback to the truck's on-board computer. The computer then controls differential lock activation as needed. This coupled with best in class rear suspension travel results in unparalleled off-road ability.

- Automatic retardation slows the truck when the operator backs off the accelerator pedal for more confidence on steep grades.

- An industry leading, fully automatic seven-speed planetary transmission with torque converter lock-up maximizes fuel efficiency.

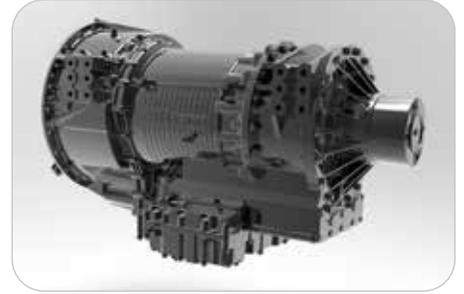
- High-travel suspension keeps all tires in constant contact with the ground, for optimum traction.

- Electronic common rail fuel system provides high injection pressures even at low engine speed for improved cold-starting ability, low-speed response and reduced emissions.

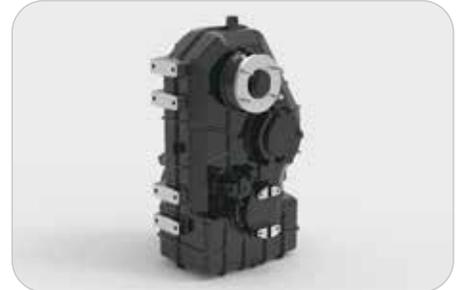
- Careful engine packaging and front chassis design gives the best approach angle to allow these ADTs to attack steep terrain.

- Improved payloads, faster haul cycles and industry leading fuel economy all help you move more material at a lower-cost-per-ton than your competitors.

- Optimized payload-to-weight ratios decreases your cost-per-ton because more of your fuel cost is spent moving the material, not running the machine.



Planetary powershift transmission optimizes shift points to match conditions and vehicle weight while protecting the transmission from operator error and abuse. Allison FuelSense® calibration optimizes production and fuel burn.



The transfer case inter-axle differential delivers equal torque to each axle when traction is favorable. When conditions deteriorate, the diff-lock automatically engages to deliver torque to the tires that can best use it.



High-strength steel and widely spaced taper roller bearings in the articulation area enhance long-term durability.



A tailgate is available as an option for better material retention. The tailgate opens as the bin is raised for dumping. Spring steel straps maintain positive seal throughout the haul, ensuring minimal material is lost.

Our innovative front and rear comfort ride suspension options are offered to even further enhance ride quality and ensure minimal whole body vibration exposure.

Productivity increases through reduced cycle times, and reduced haul road maintenance are even further benefits of these extremely successful systems. Experienced ADT operators who have driven trucks installed with these systems have come away amazed by the comfort of the machine, as well as the confidence that the adaptive front suspension engenders.



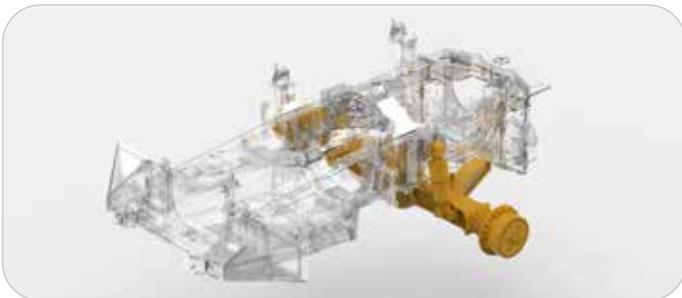
# Uncompromised durability

Built smarter, to work harder. Bell ADTs offer optimized machine weights so you spend more time and money moving material and not running the machine.

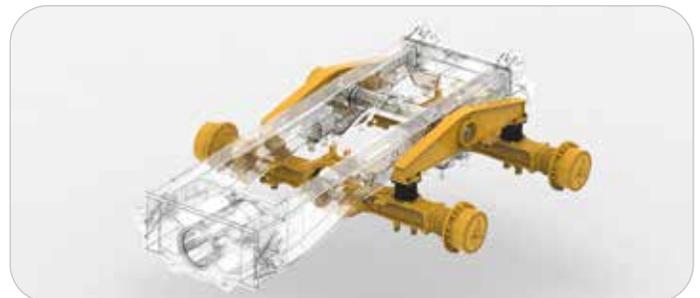
With decades of ADT experience, the Bell E-series articulated hauler is designed and manufactured using purpose built, reliable Bell components best suited for the toughest of conditions. The central oscillation joint, high suspension travel on all axles, and balanced weight distribution provide the agility and ability to navigate hostile terrain.



The high-strength steel chassis delivers strength and rigidity without excess weight.



For comfortable productivity, the A-frame suspension system coupled with hydropneumatic suspension struts reduce the lateral vibration often experienced with off-road conditions. A superior suspension seat provides additional isolation for the operator.



Rough terrain demands tough suspensions. Heavy-duty components absorb shocks and come back for more. You get best-in-class suspension travel and ground clearance, too.

- Fully enclosed, flooded, dual circuit wet disc brakes offer superior braking performance and extended service life essential for wet and muddy conditions. Oil-immersed wet-disc brakes are virtually maintenance-free and now feature a high flow circulation system with filtration and cooling.
- Viscous, electronically controlled, direct-drive engine fans provide cooling for the best efficiency.
- Class leading engine braking, coupled with automated brake retardation, provides superior braking power. Brake retardation is at pressures low enough to ensure no contact between the wet brake plates, and therefore no wear.



Other uptime-boosting features include world class on-board diagnostics with live stream functionality, solid-state sealed switches and satellite fleet management system.

High-strength welded-alloy steel chassis and reinforced articulation joints, offer superior strength and durability with optimized weight for class leading power-to-weight ratio. Lower machine mass reduces powertrain and structural stress.

# Run leaner and cleaner

A combination of an optimally tuned engine and weight optimized complete machine package ensure that Bell ADTs have a minimal carbon footprint.

SCR uses AdBlue®/DEF which

- is non-toxic, odorless, low cost and simple to refill.
- is injected into the flow of the exhaust gases and reacts with the NOx gases in the catalytic converter to form harmless nitrogen and water.
- is consumed at approximately 3-5% of your fuel usage.

EGR

- recirculates burnt exhaust gas back into the combustion chamber, lowering combustion temperatures and NOx production.

DPF

- Our DPF technology has been used in Mercedes-Benz road trucks for over 10 years.
- Regeneration is done during normal operation as much as possible.
- In light applications stationary active regeneration may be necessary.



- Reduced emissions
- Improved engine efficiency
- Lower fuel consumption
- Improved power
- Improved torque
- Improved engine response





- Stage V/Tier 4F emissions control coupled with the lowest fuel burn ensures the lowest environmental impact.

Our E-series truck platform easily accommodates current engine and related emissions control technology and reflects our strategy of continuous improvement.

**B**ell Equipment's evolutionary E-series runs SCR-technology (Selective Catalytic Reduction) in combination with EGR to give an industry leading standard in fuel-efficient emission control, designed specifically for the off-highway market to be compliant to Tier 4f. Engine power and fuel consumption have been further optimized through event dependent software that controls retardation, cooling and charging of accumulators.

# Operate with ease

Using the latest in automotive technology and state-of-the-art tooling, the E-series takes operator experience to new heights.

Climb into the cab of a Bell ADT and you will feel right at home. Its quiet, spacious interior, ergonomically positioned operator station and climate-controlled cabin is loaded with productivity boosting comfort and convenience features that minimize operator fatigue and enhance the operator's experience.

Modern flowing lines, in keeping with current styling trends on road vehicles, offer unsurpassed levels of visibility.

From the state-of-the-art 10" full color screen, automotive mouse interface and sealed switch module with centrally located sealed display unit to air suspension seat, tilt/telescoping steering wheel and optional CD player with high-output speakers, the E-series provides everything your operators need to perform at their best.

- The standard sound-suppression package significantly reduces noise levels and operator fatigue.

- A fully adjustable air-suspension seat with variable damping, auto height adjust according to operator weight, pneumatic lumbar support and multipoint harness for class-leading comfort and safety.

- New machine styling and cabin design improvements, which include full glass access door and high visibility mirror package, provide exceptional all-round visibility.

- The adaptive transmission control adjusts clutch engagement to ensure smooth, consistent shifts throughout the life of the truck.

- A purpose designed HVAC climate-control system with automotive-style louvers keeps the glass clear and the cab comfortable.

You won't find retarder pedals or levers in a Bell truck. Retarder aggressiveness is simply set on the switch pad. Or Hill Descent Control can set it for you automatically.



Easy-to-understand instruments and intuitive controls wrap around the operator so they're easier to view and operate.



A user friendly 10" color monitor offers vital operating information, safety warnings, detailed diagnostic readings and dump body function settings.



An automotive controller provides menu navigation on the color monitor to extract information on machine operation and adjustment of machine settings.



Convenient sealed switch module provides fingertip control of numerous productivity enhancing functions including: **Keyless Start, I-Tip, Dump Body Upper Limit, Soft Stop/Hard Stop Selection, Retarder Aggressiveness and Speed Control.**



# Safety, our business too

By listening to users and delivering on expectations in an ever changing workplace, we provide a truck that leads in application safety with numerous groundbreaking innovations.

Independent features such as Keyless Start, Hill Assist, Bin Tip Prevention, Auto Park Application (APA), Standard Turbo Spin Protection and On-Board Weighing (OBW) are still standard on the E-series.

For improved safety and productivity, the E-series has Automatic Traction Control (ATC).

- Full handrails (to ISO 2876) can be installed to offer improved safety when performing engine checks.
- The park brake automatically applies when neutral is selected and it is not possible to engage neutral at speed. Torque dependent park brake release (Hill Assist) ensures no roll back on slopes.
- All trucks can be set up to automatically sound the horn when starting or switching between forward and reverse.

- 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.
- Multiple geofencing in challenging site conditions ensures safe machine operation, such as downhill speed control, geofence speed limits and bin restrictions.



Our quiet operator cabins are ROPS/ FOPS certified with an air suspension operator seat. The trainer seat has a retractable lap belt while the operator seat has a standard 3 point seat belt. Both have automatically locking retractors.



An optional integrated reverse camera and high visibility mirrors ensure superior all round visibility.



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



The exclusive on-board weighing presents the operator with real time information on the payload while the machine is being loaded. A 'speed restriction' mode can also be activated if the machine is significantly overloaded.



The incorporation of a pitch and roll sensor in the vehicle prevents bin operation if the truck is in an unsafe position.



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



# Maximize your uptime

The E-series is loaded with features that make it as easy to maintain as it is to operate. Spend less time and expense getting ready for work and more time getting work done.

Easy-to-reach dipsticks, see-through reservoirs, sight gauges and grouped service points make quick work of the daily routine. Quick change filters, extended engine and hydraulic oil-service intervals lower daily operating costs and provide superior machine uptime.

The industry leading, 10" color monitor offers on-board machine diagnostics as well as automated daily service functionality, coupled with diagnostic test ports help you troubleshoot and make informed maintenance decisions on site.



If something goes wrong, the diagnostic monitor provides service codes and supporting info to help diagnose the problem.



The cab can be tilted in minutes without special tools, for convenient service access to drivetrain components.



An in-cab load center simplifies fuse replacement. Fewer relays, connectors and harnesses mean higher reliability.



We offer a remote transmission filter option. This makes transmission filter replacement a fast and clean task.



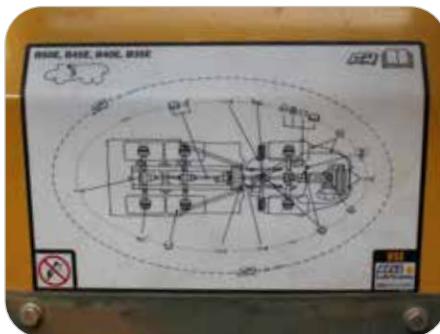
See-through fluid reservoirs and sight gauges let you check fluid levels at a glance.



Easily accessible test ports allow technicians to troubleshoot problems more quickly.



The centralized lube bank places difficult-to-reach grease points within reach.



The convenient and easy to understand RSG decal details daily checks and actions (eg: greasing).

- Automated daily service checks can be done with ease and comfort from inside the operator station using the 10" color LCD monitor and sealed display controller.

- The load-sensing hydraulic system was designed with simplicity in mind, while maintaining efficiency. Fewer components for improved reliability and serviceability.

- Extended engine transmission and hydraulic oil-change for increased uptime and lower operating cost.

- Available environmental drains allow quick, no-spill changes.

- Your Bell Service Center has the parts and backup you need to stay productive and offers a wide variety of preventative maintenance and support programs to help you control costs.

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**



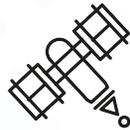
**TRAINING**



**PROTECTING YOUR ASSETS**



**LUBECHECK**



**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 excellent information for you to have a very good understanding of how your machine is operating for each working shift. This package comes standard with the machine for 5 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®:

- Maximize productivity
- Generate machine utilization 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



# B40E Articulated Dump Truck



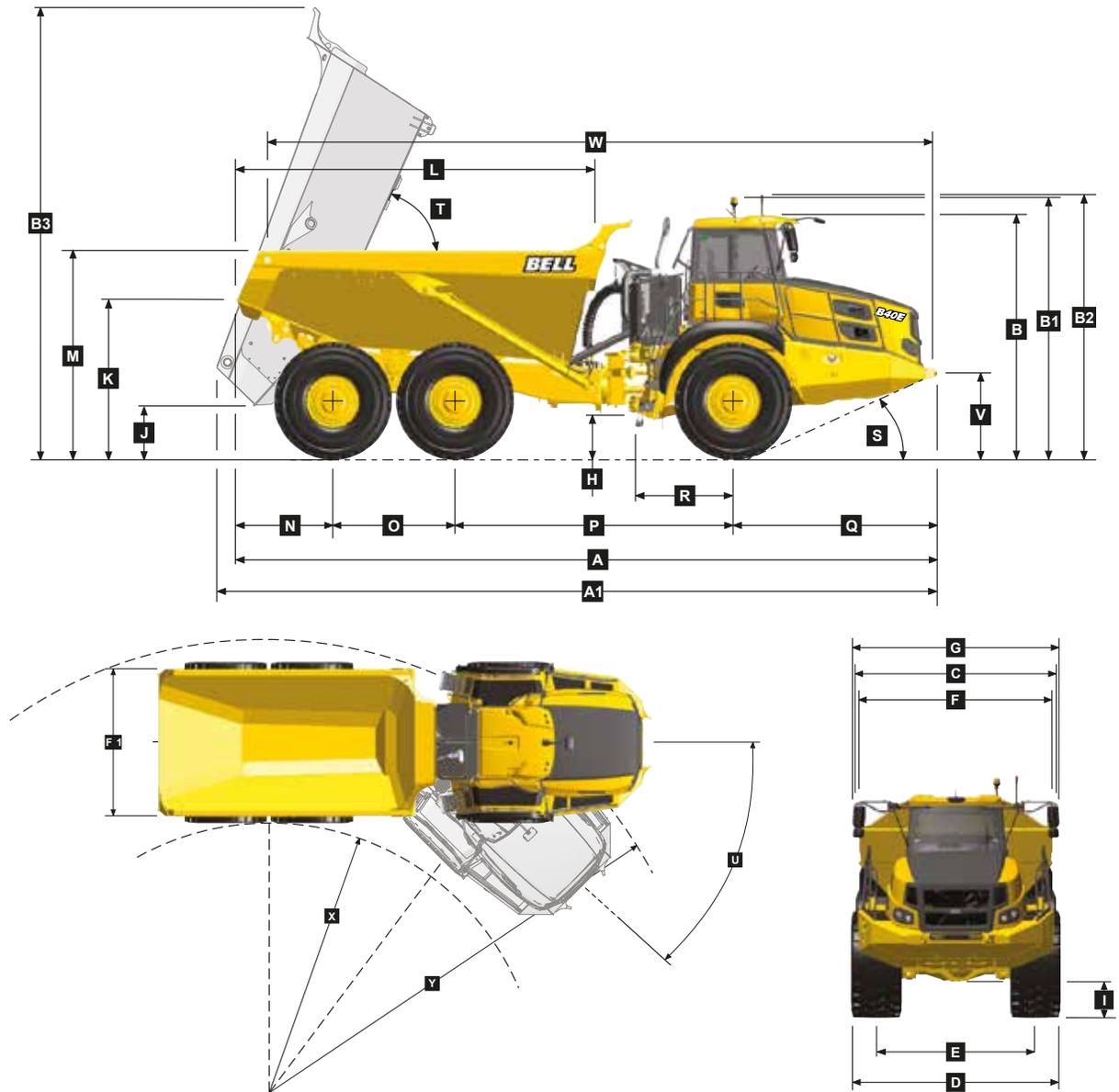
<b>ENGINE</b> <b>Manufacturer</b> Mercedes Benz (MTU)	<b>Torque Control</b> Hydrodynamic with lock-up in all gears	<b>Total Retardation Power</b> Continuous: 593 hp (442 kW) Maximum: 1,145 hp (854 kW)	<b>DUMPING SYSTEM</b> Two double-acting, single stage, dump cylinders
<b>Model</b> OM471LA (MTU 6R 1300)	<b>TRANSFER CASE</b> <b>Manufacturer</b> Kessler	<b>WHEELS</b> <b>Type</b> Radial Earthmover	<b>Raise Time</b> 12 seconds
<b>Configuration</b> Inline 6, turbocharged and intercooled	<b>Series</b> W2400	<b>Tire</b> 29.5 R 25 (875/65 R 29 optional)	<b>Lowering Time</b> 11 seconds
<b>Maximum Net Power</b> 510 hp (380 kW) at 1,600 rpm in accordance with UN ECE R120	<b>Layout</b> Remote mounted	<b>FRONT SUSPENSION</b> Active dual springrate Comfort Ride suspension including height control.	<b>Tipping Angle</b> 70 deg standard, or any lower angle programmable
<b>Gross Torque</b> 1,917 lbf (2,600 Nm) @ 1,300 rpm	<b>Gear Layout</b> Three in-line helical gears	<b>REAR SUSPENSION</b> Pivoting walking beams with laminated rubber suspension blocks	<b>PNEUMATIC SYSTEM</b> Air drier with heater and integral unloader valve, serving park brake and auxiliary functions
<b>Displacement</b> 781 cu.in (12.8 liters)	<b>Output Differential</b> Interaxle 29/71 proportional differential. Automatic inter-axle differential lock.	<b>Optional passive dual-springrate Comfort Ride walking beam available.</b>	<b>System Pressure</b> 117 psi (8.1 Bar)
<b>Auxiliary Brake</b> Jacobs Engine Brake®	<b>AXLES</b> <b>Manufacturer</b> Bell	<b>HYDRAULIC SYSTEM</b> 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.	<b>ELECTRICAL SYSTEM</b> <b>Voltage</b> 24 V
<b>Fuel Tank Capacity</b> 117 US gal (443 liters)	<b>Model</b> 30T	<b>Pump Type</b> Variable displacement load sensing piston	<b>Battery Type</b> Two AGM (Absorption Glass Mat) type
<b>AdBlue® Tank Capacity</b> 11 US gal (40 liters)	<b>Differential</b> High input controlled traction differential with spiral bevel gears	<b>Flow</b> 79 gal/min (300 L/min)	<b>Battery Capacity</b> 2 X 75 Ah
<b>Certification</b> OM471LA (MTU 6R 1300) meets EPA Tier 4 Final/Stage V emissions regulations	<b>Final Drive</b> Outboard heavy duty planetary on all axles	<b>Pressure</b> 4,500 psi (310 Bar)	<b>Alternator Rating</b> 28V 100A
<b>TRANSMISSION</b> <b>Manufacturer</b> Allison	<b>BRAKING SYSTEM</b> <b>Service Brake</b> Dual circuit, full hydraulic actuation wet disc brakes on front and middle axles. Wet brake oil is circulated through a filtration and cooling system.	<b>Filter</b> 5 microns	<b>MAX. VEHICLE SPEED</b>
<b>Model</b> 4700 ORS	<b>Maximum brake force:</b> 73,513 lbf (327 kN)	<b>STEERING SYSTEM</b> Double acting cylinders, with ground-driven emergency steering pump	1st 2.5 mph 4 km/h 2nd 6 mph 9 km/h 3rd 11 mph 17 km/h 4th 14 mph 23 km/h 5th 21 mph 33 km/h 6th 27.3 mph 44 km/h 7th 32 mph 51 km/h R 4 mph 7 km/h
<b>Configuration</b> Fully automatic planetary transmission	<b>Park &amp; Emergency</b> Spring applied, air released driveline mounted disc	<b>Lock to lock turns</b> 5	<b>CAB</b> ROPS/FOPS certified 77 dBA internal sound level measured according to ISO 6396
<b>Layout</b> Engine mounted	<b>Auxiliary Brake</b> Jacobs Engine Brake®. Automatic retardation through electronic activation of wet brake system.	<b>Steering Angle</b> 42°	
<b>Gear Layout</b> Constant meshing planetary gears, clutch operated			
<b>Gears</b> 7 Forward, 1 reverse			
<b>Clutch Type</b> Hydraulically operated multi-disc			
<b>Control Type</b> Electronic			

## Load Capacity & Ground Pressure

OPERATING WEIGHTS		GROUND PRESSURE				LOAD CAPACITY		OPTION WEIGHTS		
UNLADEN	kg (lb)	LADEN				BODY	m³ (yd³)			
Front	17,046 (37,580)	No sinkage/Total Contact Area (as recommended by tyre manufacturer)	Calculation method used by competition				Struck Capacity	19 (25)	Bin liner	1,369 (3,018)
Middle	7,811 (17,220)					SAE 2:1 Capacity	24 (31)	Tailgate	1,002 (2,209)	
Rear	7,598 (16,751)	26.5 R 25	kPa (Psi)	26.5 R 25	kPa (Psi)	SAE 1:1 Capacity	28.5 (37)			
Total	32,455 (71,551)	Front	310 (45)	Front	151 (21.9)	SAE 2:1 Capacity with Tailgate	24.5 (32)	<b>EXTRA WHEELSET</b>		
<b>LADEN</b>		Mid/ Rear	367 (53.2)	Mid/ Rear	169 (24.5)	Rated Payload	39,000 kg	23.5 R 25	516 (1,138)	
Front	21,921 (48,327)						(85,980 lbs)	875/65 R29	1,338 (2,950)	
Middle	24,874 (54,838)	875/65 R29		875/65 R29						
Rear	24,661 (54,368)	Front	293 (42.5)	Front	131 (19)					
Total	71,455 (157,531)	Mid/ Rear	329 (47.7)	Mid/ Rear	149 (21.6)					

\* 29.5R25 Ground pressures calculated with Michelin XADN+ Tire. 875/65R29 Ground pressures calculated with Michelin XAD65-1 Tire

## I Dimensions

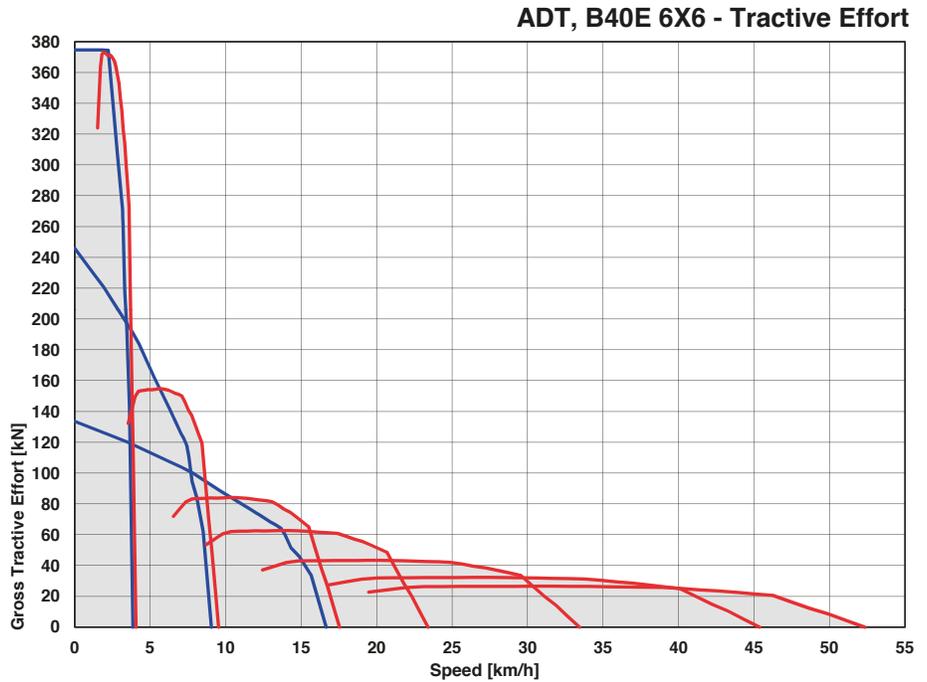
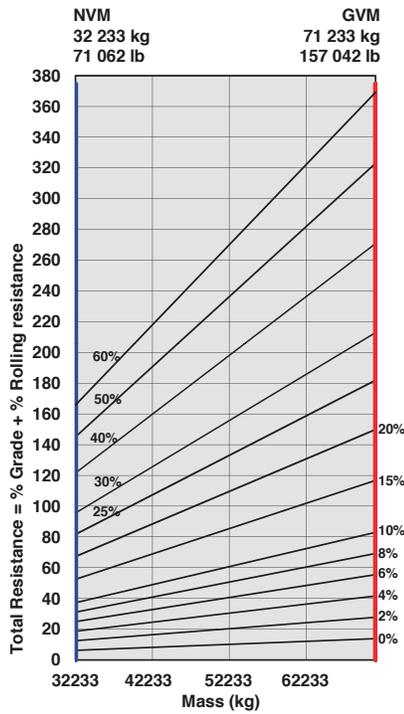


### Machine Dimensions

A	Length - Transport Position with Tailgate	11 195 mm (36 ft. 9 in.)	K	Bin Lip Height - Transport Position	2 519 mm (8 ft. 3 in.)
A	Length - Transport Position w/o Tailgate	11 185 mm (36 ft. 8 in.)	L	Bin Length	5 742 mm (18 ft. 10 in.)
A1	Length - Bin Fully Tipped	11 741 mm (38 ft. 6 in.)	M	Load over Height	3 278 mm (10 ft. 9 in.)
B	Height - Transport Position	3 804 mm (12 ft. 6 in.)	N	Rear Axle Centre to Bin Rear	1 541 mm (5 ft.)
B1	Height - Rotating Beacon	4 102 mm (13 ft. 5 in.)	O	Mid Axle Centre to Rear Axle Centre	1 950 mm (6 ft. 5 in.)
B2	Height - Load Light	4 125 mm (13 ft. 6 in.)	P	Mid Axle Centre to Front Axle Centre	4 438 mm (14 ft. 7 in.)
B3	Bin Height - Fully Tipped	7 315 mm (23 ft. 12 in.)	Q	Front Axle Centre to Machine Front	3 256 mm (10 ft. 8 in.)
C	Width over Mudguards	3 495 mm (11 ft. 6 in.)	R	Front Axle Centre to Artic Centre	1 558 mm (5 ft. 1 in.)
D	Width over Tyres - 875/65 R29	3 656 mm (11 ft. 12 in.)	S	Approach Angle	24°
D	Width over Tyres - 29.5R25	3 487 mm (11 ft. 5 in.)	T	Maximum Bin Tip Angle	70°
E	Tyre Track Width - 875/65 R29	2 773 mm (9 ft. 1 in.)	U	Maximum Articulation Angle	42°
E	Tyre Track Width - 29.5R25	2 725 mm (8 ft. 11 in.)	V	Front Tie Down Height	1 265 mm (4 ft. 2 in.)
F	Width over Bin	3 372 mm (11 ft.)	W	Machine Lifting Centres	10 591 mm (34 ft. 9 in.)
F1	Width over Tailgate	3 662 mm (12 ft.)	X	Inner Turning Circle Radius - 875/65 R29	4 782 mm (15 ft. 8 in.)
G	Width over Mirrors - Operating Position	3 614 mm (11 ft. 10 in.)	X	Inner Turning Circle Radius - 29.5R25	4 866 mm (15 ft. 12 in.)
H	Ground Clearance - Artic	545 mm (21.46 in.)	Y	Outer Turning Circle Radius - 875/65 R29	9 320 mm (30 ft. 7 in.)
I	Ground Clearance - Front Axle	545 mm (21.46 in.)	Y	Outer Turning Circle Radius - 29.5R25	9 235 mm (30 ft. 4 in.)
J	Ground Clearance - Bin Fully Tipped	878 mm (34.57 in.)			

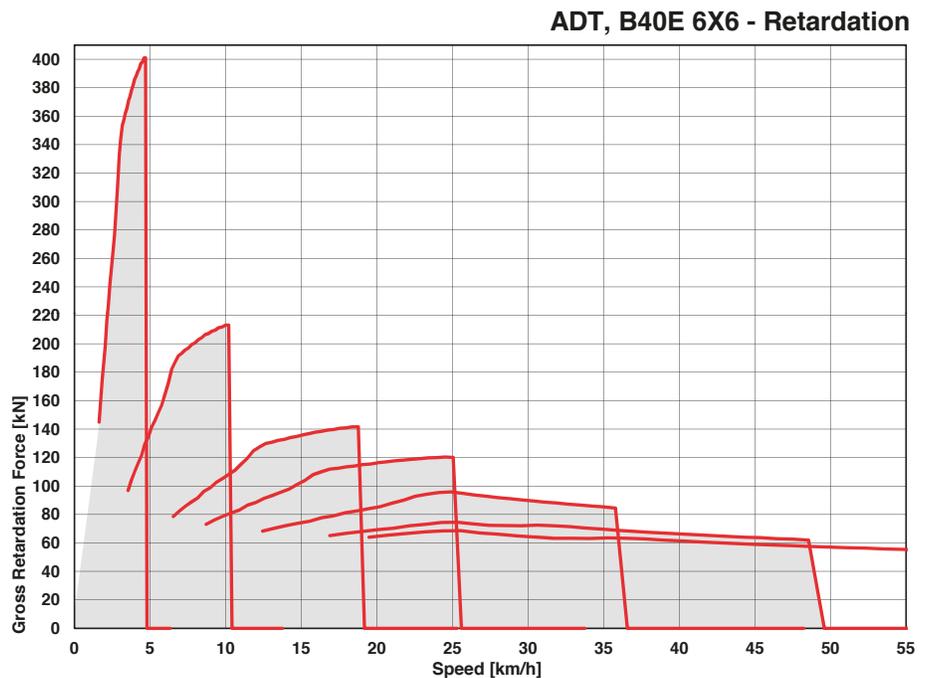
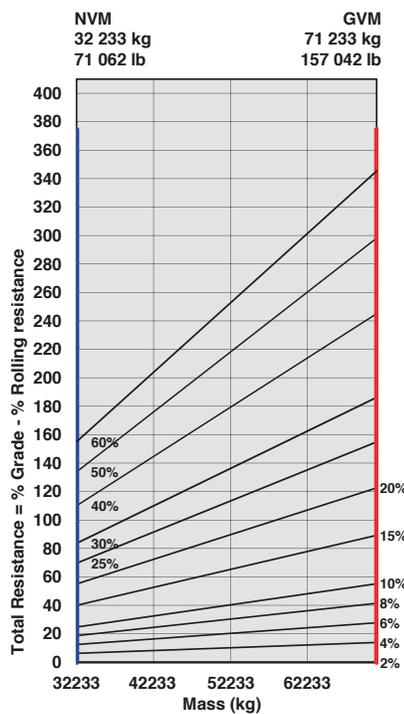
# Gradeability/Rimpull

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.



# B45E Articulated Dump Truck



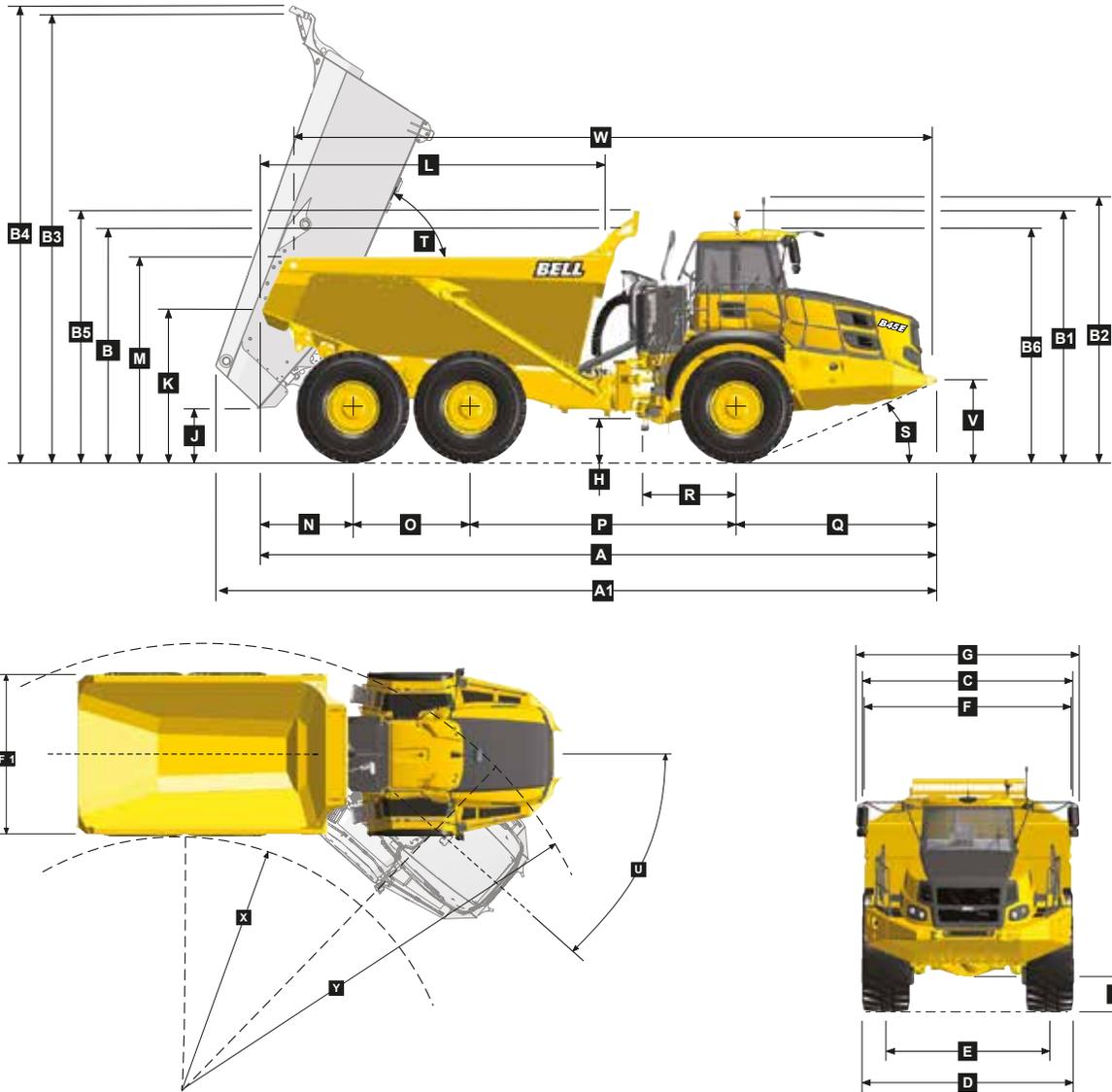
<b>ENGINE</b> Manufacturer Mercedes Benz (MTU)	Torque Control Hydrodynamic with lock-up in all gears	Total Retardation Power Continuous: 593 hp (442 kW) Maximum: 1,145 hp (854 kW)	<b>DUMPING SYSTEM</b> Two double-acting, single stage, dump cylinders																								
Model OM471LA (MTU 6R 1300)	<b>TRANSFER CASE</b> Manufacturer Kessler	<b>WHEELS</b> Type Radial Earthmover	Raise Time 12 seconds																								
Configuration Inline 6, turbocharged and intercooled	Series W2400	Tire 29.5 R 25 (875/65 R 29 optional)	Lowering Time 11 seconds																								
Maximum Net Power 523 hp (390 kW) @ 1,600 rpm in accordance with UN ECE R120	Layout Remote mounted	<b>FRONT SUSPENSION</b> Active dual springrate Comfort Ride suspension including height control.	Tipping Angle 70 deg standard, or any lower angle programmable																								
Gross Torque 1,917 lbf (2,600 Nm) @ 1,300 rpm	Gear Layout Three in-line helical gears	<b>REAR SUSPENSION</b> Pivoting walking beams with laminated rubber suspension blocks	<b>PNEUMATIC SYSTEM</b> Air drier with heater and integral unloader valve, serving park brake and auxiliary functions																								
Displacement 781 cu.in (12.8 liters)	Output Differential Interaxle 29/71 proportional differential. Automatic inter-axle differential lock.	Optional passive dual-springrate Comfort Ride walking beam available.	System Pressure 117 psi (8.1 Bar)																								
Auxiliary Brake Jacobs Engine Brake®	<b>AXLES</b> Manufacturer Bell	<b>HYDRAULIC SYSTEM</b> 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.	<b>ELECTRICAL SYSTEM</b> Voltage 24 V																								
Fuel Tank Capacity 117 US gal (443 liters)	Model 30T	Pump Type Variable displacement load sensing piston	Battery Type Two AGM (Absorption Glass Mat) type																								
AdBlue® Tank Capacity 11 US gal (40 liters)	Differential High input controlled traction differential with spiral bevel gears	Flow 79 gal/min (300 L/min)	Battery Capacity 2 X 75 Ah																								
Certification OM471LA (MTU 6R 1300) meets EPA Tier 4 Final/Stage V emissions regulations	Final Drive Outboard heavy duty planetary on all axles	Pressure 4,500 psi (310 Bar)	Alternator Rating 28V 100A																								
<b>TRANSMISSION</b> Manufacturer Allison	<b>BRAKING SYSTEM</b> 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.	Filter 5 microns	<b>MAX. VEHICLE SPEED</b> <table border="1"> <tr><td>1st</td><td>2.5 mph</td><td>4 km/h</td></tr> <tr><td>2nd</td><td>6 mph</td><td>9 km/h</td></tr> <tr><td>3rd</td><td>11 mph</td><td>17 km/h</td></tr> <tr><td>4th</td><td>14 mph</td><td>23 km/h</td></tr> <tr><td>5th</td><td>21 mph</td><td>33 km/h</td></tr> <tr><td>6th</td><td>27.3 mph</td><td>44 km/h</td></tr> <tr><td>7th</td><td>32 mph</td><td>51 km/h</td></tr> <tr><td>R</td><td>4 mph</td><td>7 km/h</td></tr> </table>	1st	2.5 mph	4 km/h	2nd	6 mph	9 km/h	3rd	11 mph	17 km/h	4th	14 mph	23 km/h	5th	21 mph	33 km/h	6th	27.3 mph	44 km/h	7th	32 mph	51 km/h	R	4 mph	7 km/h
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6th	27.3 mph	44 km/h																									
7th	32 mph	51 km/h																									
R	4 mph	7 km/h																									
Model 4700 ORS	Maximum brake force: 73,513 lbf (327 kN)	Lock to lock turns 5	<b>CAB</b> ROPS/FOPS certified 77 dBA internal sound level measured according to ISO 6396																								
Configuration Fully automatic planetary transmission	Park & Emergency Spring applied, air released driveline mounted disc	Steering Angle 42°																									
Layout Engine mounted	Maximum brake force: 49,008 lbf (218 kN)																										
Gear Layout Constant meshing planetary gears, clutch operated	Auxiliary Brake Jacobs Engine Brake®. Automatic retardation through electronic activation of wet brake system.																										
Gears 7 Forward, 1 reverse																											
Clutch Type Hydraulically operated multi-disc																											
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	17,775 (39,187)	No sinkage/Total Contact Area (as recommended by tyre manufacturer)	Calculation method used by competition				Struck Capacity	19.5 (25.5)	Bin liner	1,404 (3,095)
Middle	7,883 (17,379)		SAE 2:1 Capacity	25 (32.7)	Tailgate	1,013 (2,233)				
Rear	7,394 (16,301)	26.5 R 25	kPa (Psi)	26.5 R 25	kPa (Psi)	SAE 1:1 Capacity	29.5 (38.6)			
Total	33,052 (72,867)	Front	314 (45.5)	Front	153 (22.2)	SAE 2:1 Capacity with Tailgate	26 (34)	<b>EXTRA WHEELSET</b>		
<b>LADEN</b>		Mid/ Rear	370 (53.7)	Mid/ Rear	176 (25.5)	Rated Payload	41,000 kg	23.5 R 25	516 (1,138)	
Front	22,900 (50,486)						(90,390 lbs)	875/65 R29	1,338 (2,950)	
Middle	25,821 (56,925)	875/65 R29		875/65 R29						
Rear	25,332 (55,847)	Front	295 (42.8)	Front	135 (19.6)					
Total	74,052 (163,257)	Mid/ Rear	331 (48)	Mid/ Rear	154 (22.3)					

\* 29.5R25 Ground pressures calculated with Michelin XADN+ Tire. 875/65R29 Ground pressures calculated with Michelin XAD65-1 Tire  
[www.bellequipment.com](http://www.bellequipment.com) | 21

# Dimensions

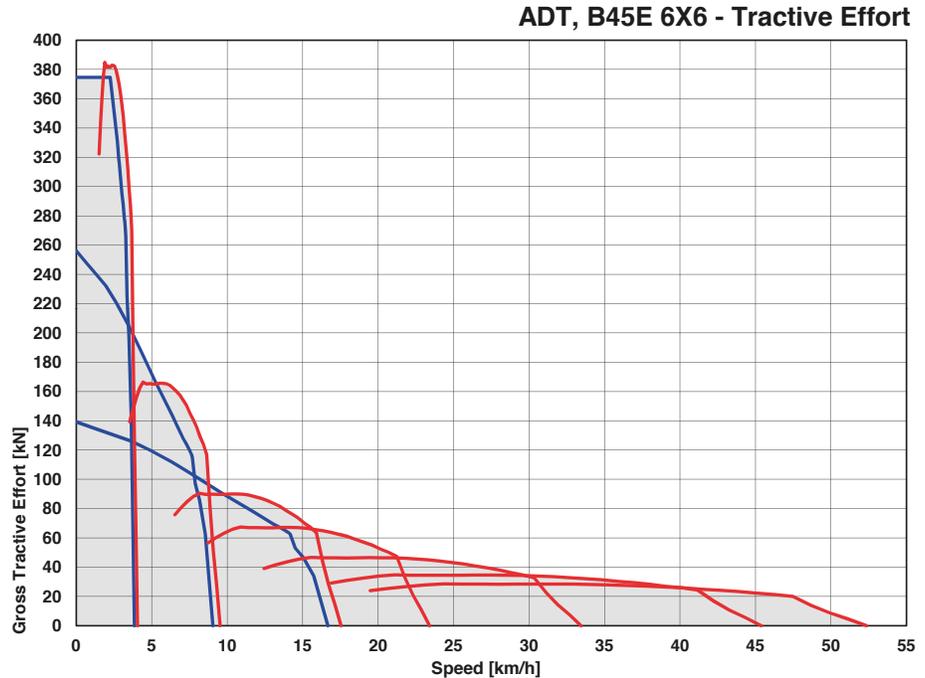
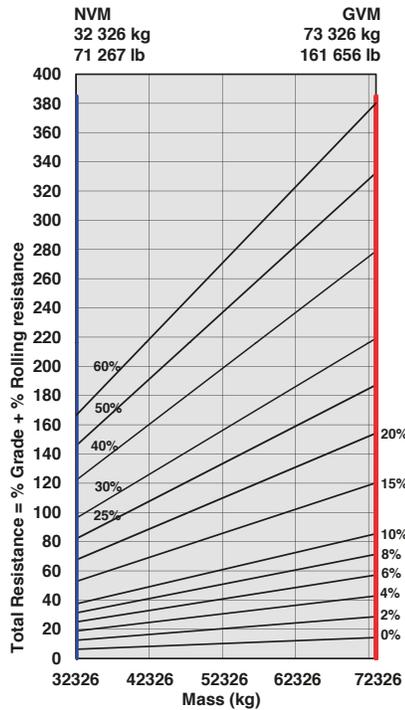


## Machine Dimensions

A	Length - Transport Position with Tailgate	11 184 mm (36 ft. 8 in.)	I	Ground Clearance - Front Axle	545 mm (21.46 in.)
A	Length - Transport Position w/o Tailgate	11 184 mm (36 ft. 8 in.)	J	Ground Clearance - Bin Fully Tipped	881 mm (34.69 in.)
A1	Length - Bin Fully Tipped	11 778 mm (38 ft. 8 in.)	K	Bin Lip Height - Transport Position	2 522 mm (8 ft. 3 in.)
B	Height - Transport Position w/o Rock Guard	3 797 mm (12 ft. 5 in.)	L	Bin Length	5 753 mm (18 ft. 10in.)
B	Height - Transport Position with Rock Guard	3 846 mm (12 ft. 7 in.)	M	Load over Height	3 324 mm (10 ft. 11 in.)
B1	Height - Rotating Beacon	4 102 mm (13 ft. 5 in.)	N	Rear Axle Centre to Bin Rear	1 540 mm (5 ft.)
B2	Height - Load Light	4 325 mm (14 ft. 2 in.)	O	Mid Axle Centre to Rear Axle Centre	1 950 mm (6 ft. 5 in.)
B3	Bin Height - Fully Tipped w/o Rock Guard	7 340 mm (24 ft. 1 in.)	P	Mid Axle Centre to Front Axle Centre	4 438 mm (14 ft. 7 in.)
B4	Bin Height - Fully Tipped with Rock Guard	7 448 mm (24 ft. 5 in.)	Q	Front Axle Centre to Machine Front	3 256 mm (10 ft. 8 in.)
B5	Height - Rock Guard Operating Position	4 125 mm (13 ft. 6 in.)	R	Front Axle Centre to Artic Centre	1 558 mm (5 ft. 1 in.)
B6	Height - Cab	3 804 mm (12 ft. 6 in.)	S	Approach Angle	24 °
C	Width over Mudguards	3 495 mm (11 ft. 6 in.)	T	Maximum Bin Tip Angle	70 °
D	Width over Tyres - 875/65 R29	3 656 mm (11 ft. 12 in.)	U	Maximum Articulation Angle	42 °
D	Width over Tyres - 29.5R25	3 487 mm (11 ft. 5 in.)	V	Front Tie Down Height	1 264 mm (4 ft. 2 in.)
E	Tyre Track Width - 875/65 R29	2 773 mm (9 ft. 1 in.)	W	Machine Lifting Centres	10 570 mm (34 ft. 8 in.)
E	Tyre Track Width - 29.5R25	2 725 mm (8 ft. 11 in.)	X	Inner Turning Circle Radius - 875/65 R29	4 782 mm (15 ft. 8 in.)
F	Width over Bin	3 448 mm (11 ft. 4 in.)	X	Inner Turning Circle Radius - 29.5R25	4 866 mm (15 ft. 12 in.)
F1	Width over Tailgate	3 738 mm (12 ft. 3 in.)	Y	Outer Turning Circle Radius - 875/65 R29	9 320 mm (30 ft. 7 in.)
G	Width over Mirrors - Operating Position	3 614 mm (11 ft. 10 in.)	Y	Outer Turning Circle Radius - 29.5R25	9 235 mm (30 ft. 4 in.)
H	Ground Clearance - Artic	546 mm (21.50 in.)			

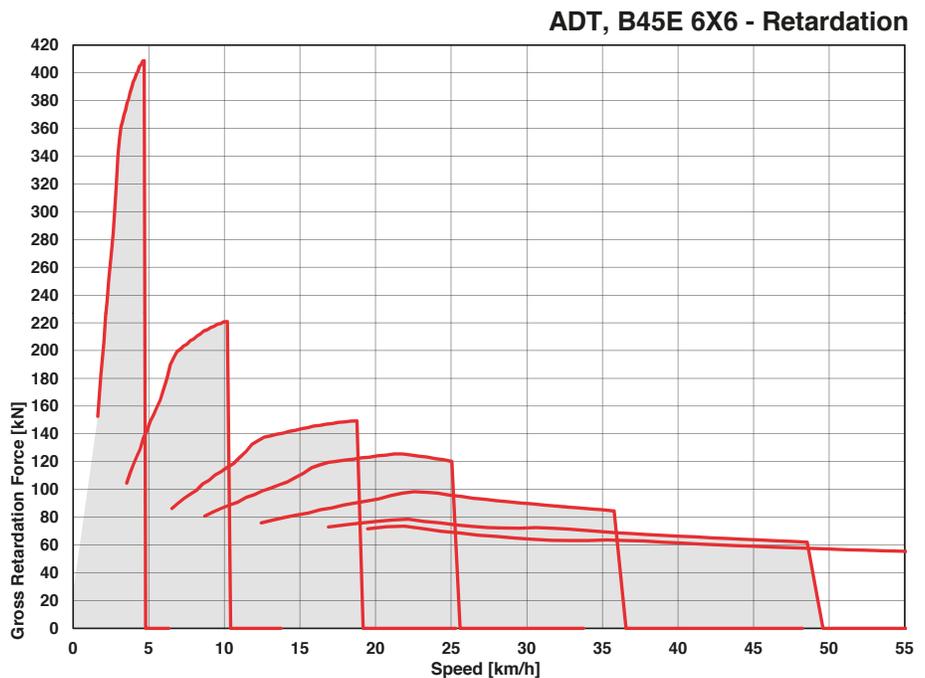
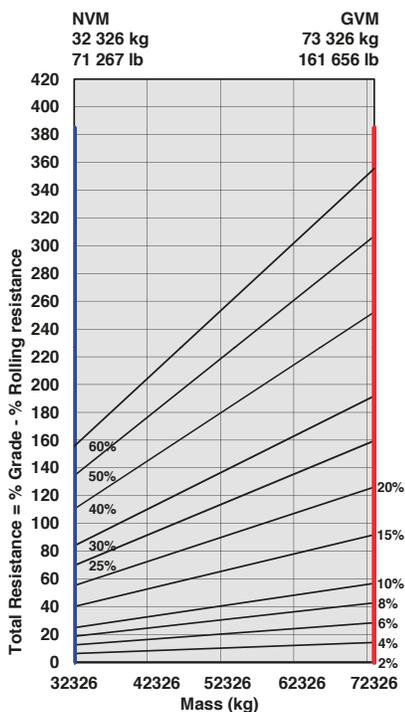
## Gradeability/Rimpull

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.



# B50E Articulated Dump Truck



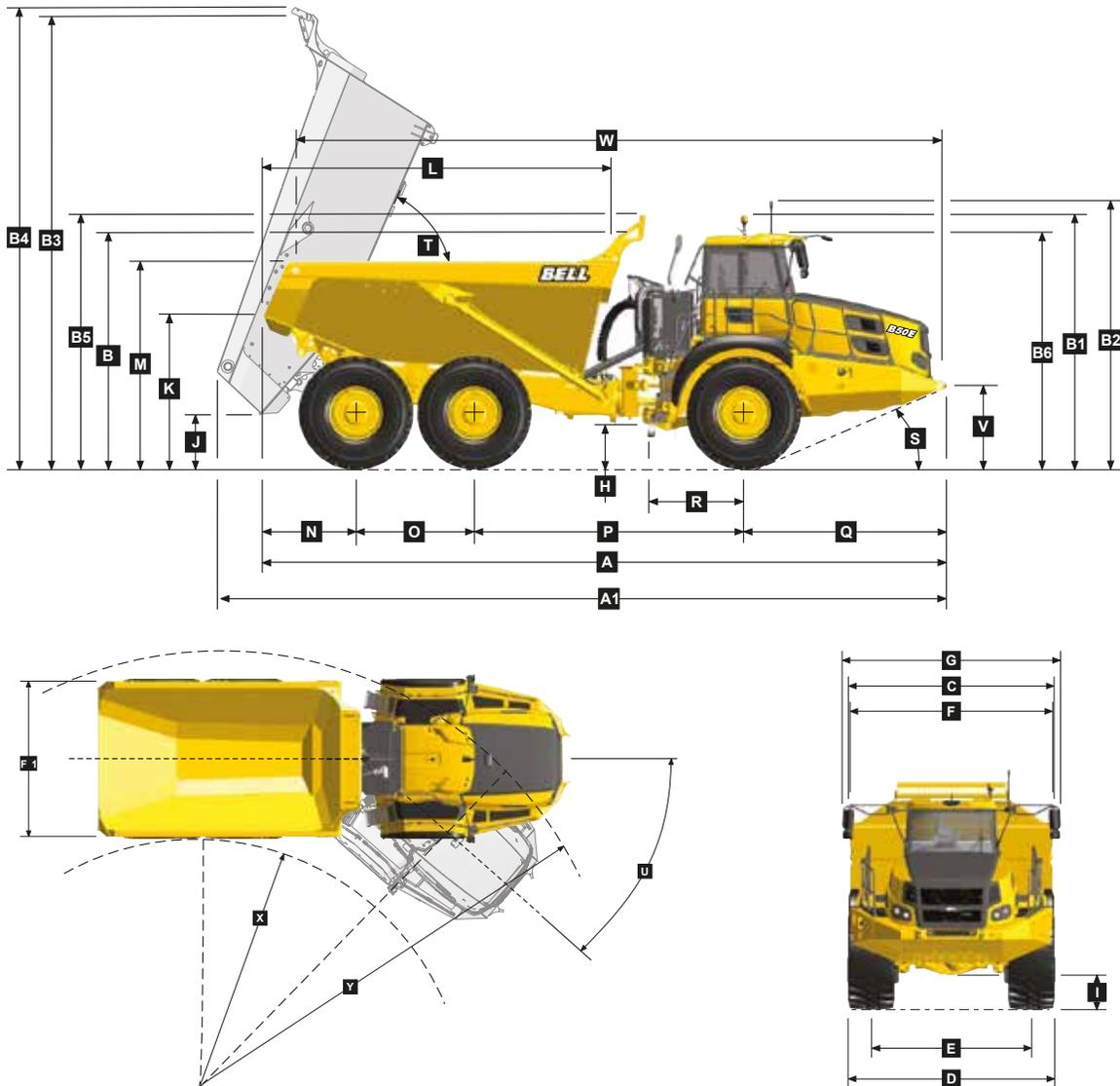
<p><b>ENGINE</b>  <b>Manufacturer</b>                  Mercedes Benz (MTU)</p> <p><b>Model</b>                  OM473LA (MTU 6R 1500)</p> <p><b>Configuration</b>                  Inline 6, turbocharged and intercooled</p> <p><b>Maximum Net Power</b>                  577 hp (430 kW) at 1,600 rpm in accordance with UN ECE R120</p> <p><b>Gross Torque</b>                  2,102 lbft (2,850 Nm) @ 1,300 rpm</p> <p><b>Displacement</b>                  952 cu.in (15.6 liters)</p> <p><b>Auxiliary Brake</b>                  Jacobs Engine Brake®</p> <p><b>Fuel Tank Capacity</b>                  130 US gal (494 liters)</p> <p><b>AdBlue® Tank Capacity</b>                  11 US gal (40 liters)</p> <p><b>Certification</b>                  OM473LA (MTU 6R 1500) meets EPA Tier 4 Final/Stage V emissions regulations</p>	<p><b>Torque Control</b>                  Hydrodynamic with lock-up in all gears</p> <p><b>TRANSFER CASE</b>  <b>Manufacturer</b>                  Kessler</p> <p><b>Series</b>                  W2400</p> <p><b>Layout</b>                  Remote mounted</p> <p><b>Gear Layout</b>                  Three in-line helical gears</p> <p><b>Output Differential</b>                  Interaxle 29/71 proportional differential. Automatic inter-axle differential lock.</p> <p><b>AXLES</b>  <b>Manufacturer</b>                  Bell</p> <p><b>Model</b>                  30T</p> <p><b>Differential</b>                  High input controlled traction differential with spiral bevel gears</p> <p><b>Final Drive</b>                  Outboard heavy duty planetary on all axles</p> <p><b>BRAKING SYSTEM</b>  <b>Service Brake</b>                  Dual circuit, full hydraulic actuation wet disc brakes on front, middle and rear axles. Wet brake oil is circulated through a filtration and cooling system.</p> <p>Maximum brake force:                  109,707 lbf (488 kN)</p> <p><b>Park &amp; Emergency</b>                  Spring applied, air released driveline mounted disc</p> <p>Maximum brake force:                  215.5 kN (48,446 lbf)</p> <p><b>Auxiliary Brake</b>                  Jacobs Engine Brake®. Automatic retardation through electronic activation of wet brake system.</p>	<p><b>Total Retardation Power</b>                  Continuous: 732 hp (546 kW)                  Maximum: 1,291 hp (963 kW)</p> <p><b>WHEELS</b>  <b>Type</b>                  Radial Earthmover</p> <p><b>Tire</b>                  875/65 R 29 (29.5 R 25 optional)</p> <p><b>FRONT SUSPENSION</b>                  Active dual springrate Comfort Ride suspension including height control.</p> <p><b>REAR SUSPENSION</b>                  Pivoting walking beams with laminated rubber suspension blocks</p> <p>Optional passive dual-springrate Comfort Ride walking beam available.</p> <p><b>HYDRAULIC SYSTEM</b>                  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.</p> <p><b>Pump Type</b>                  Variable displacement load sensing piston</p> <p><b>Flow</b>                  79 gal/min (300 L/min)</p> <p><b>Pressure</b>                  4,500 psi (310 Bar)</p> <p><b>Filter</b>                  5 microns</p> <p><b>STEERING SYSTEM</b>                  Double acting cylinders, with ground-driven emergency steering pump</p> <p><b>Lock to lock turns</b>                  4.9</p> <p><b>Steering Angle</b>                  42°</p>	<p><b>DUMPING SYSTEM</b>                  Two double-acting, single stage, dump cylinders</p> <p><b>Raise Time</b>                  12.5 seconds</p> <p><b>Lowering Time</b>                  11.5 seconds</p> <p><b>Tipping Angle</b>                  70 deg standard, or any lower angle programmable</p> <p><b>PNEUMATIC SYSTEM</b>                  Air drier with heater and integral unloader valve, serving park brake and auxiliary functions</p> <p><b>System Pressure</b>                  117 psi (8.1 Bar)</p> <p><b>ELECTRICAL SYSTEM</b>  <b>Voltage</b>                  24 V</p> <p><b>Battery Type</b>                  Two AGM (Absorption Glass Mat) type</p> <p><b>Battery Capacity</b>                  2 X 75 Ah</p> <p><b>Alternator Rating</b>                  28V 100A</p> <p><b>MAX. VEHICLE SPEED</b></p> <table border="1"> <tr> <td>1st</td> <td>2.5 mph</td> <td>4 km/h</td> </tr> <tr> <td>2nd</td> <td>6 mph</td> <td>9 km/h</td> </tr> <tr> <td>3rd</td> <td>11 mph</td> <td>17 km/h</td> </tr> <tr> <td>4th</td> <td>14 mph</td> <td>23 km/h</td> </tr> <tr> <td>5th</td> <td>21 mph</td> <td>33 km/h</td> </tr> <tr> <td>6th</td> <td>27.3 mph</td> <td>44 km/h</td> </tr> <tr> <td>7th</td> <td>32 mph</td> <td>51 km/h</td> </tr> <tr> <td>R</td> <td>4 mph</td> <td>7 km/h</td> </tr> </table> <p><b>CAB</b>                  ROPS/FOPS certified 77 dBA internal sound level measured according to ISO 6396</p>	1st	2.5 mph	4 km/h	2nd	6 mph	9 km/h	3rd	11 mph	17 km/h	4th	14 mph	23 km/h	5th	21 mph	33 km/h	6th	27.3 mph	44 km/h	7th	32 mph	51 km/h	R	4 mph	7 km/h
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6th	27.3 mph	44 km/h																									
7th	32 mph	51 km/h																									
R	4 mph	7 km/h																									

## Load Capacity & Ground Pressure

OPERATING WEIGHTS		GROUND PRESSURE*		LOAD CAPACITY		OPTION WEIGHTS	
UNLADEN	kg (lb)	LADEN		BODY	m <sup>3</sup> (yd <sup>3</sup> )	kg (lb)	
Front	18,554 (40,905)	(No sinkage/Total Contact Area Method)		Struck Capacity	21.5 (28)	Bin liner	1,495 (3,296)
Middle	8,718 (19,220)	<b>875/65 R29</b>	<b>kPa (Psi)</b>	SAE 2:1 Capacity	27.5 (36)	Tailgate	1,136 (2,505)
Rear	8,613 (18,988)	Front	297 (43.1)	SAE 1:1 Capacity	33 (43)	29.5 R 25	
Total	35,885 (79,113)	Mid & Rear	366 (53.1)	SAE 2:1 Capacity with Tailgate	29 (38)	(per vehicle) Minus	1,334 (2,941)
<b>LADEN</b>						<b>EXTRA WHEELSET</b>	
Front	24,274 (53,515)	<b>29.5 R 25</b>	<b>kPa (Psi)</b>			29.5 R 25	
Middle	28,558 (62,960)	Front	339 (49.2)	Rated Payload	45,400 kg	(per vehicle) Add	800 (1,764)
Rear	28,453 (62,728)	Mid & Rear	381 (55.3)		(100,090 lb)	875/65 R29	
Total	81,285 (179,203)					(per vehicle) Add	1,024 (2,258)

\* 29.5R25 Ground pressures calculated with Michelin XADN+ Tire. 875/65 R29 Groundpressures calculated with Michelin XAD65-1 Tire.

## Dimensions

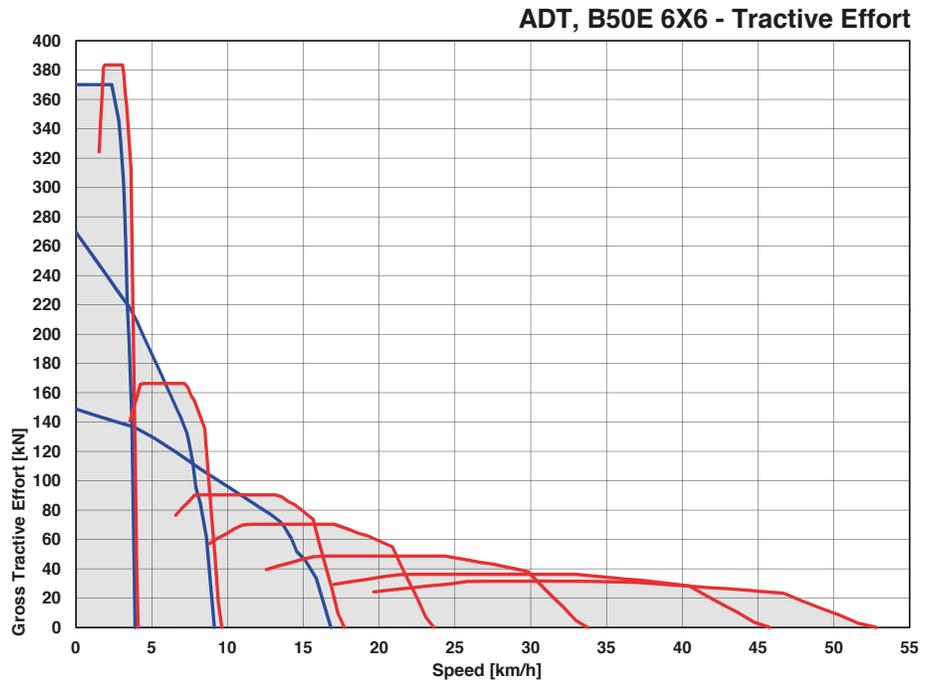
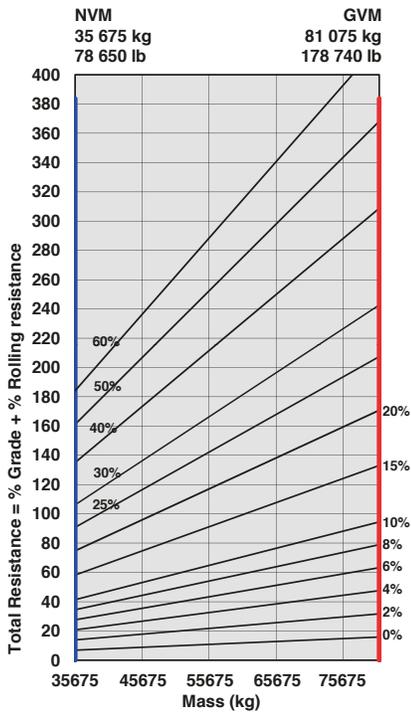


### Machine Dimensions

A	Length - Transport Position with Tailgate	11 272 mm	(37 ft.)	I	Ground Clearance - Front Axle	555 mm	(21.85 in.)
A	Length - Transport Position w/o Tailgate	11 272 mm	(37 ft.)	J	Ground Clearance - Bin Fully Tipped	907 mm	(35.71 in.)
A1	Length - Bin Fully Tipped	11 916 mm	(39 ft. 1 in.)	K	Bin Lip Height - Transport Position	2 542 mm	(8 ft. 4 in.)
B	Height - Transport Position w/o Rock Guard	3 822 mm	(12 ft. 6 in.)	L	Bin Length	5 714 mm	(18 ft. 9 in.)
B	Height - Transport Position with Rock Guard	3 870 mm	(12 ft. 8 in.)	M	Load over Height	3 396 mm	(11 ft. 2 in.)
B1	Height - Rotating Beacon	4 112 mm	(13 ft. 6 in.)	N	Rear Axle Centre to Bin Rear	1 533 mm	(5 ft.)
B2	Height - Load Light	4 335 mm	(14 ft. 3 in.)	O	Mid Axle Centre to Rear Axle Centre	1 950 mm	(6 ft. 5 in.)
B3	Bin Height - Fully Tipped w/o Rock Guard	7 325 mm	(24 ft.)	P	Mid Axle Centre to Front Axle Centre	4 438 mm	(14 ft. 7 in.)
B4	Bin Height - Fully Tipped with Rock Guard	7 430 mm	(24 ft. 5 in.)	Q	Front Axle Centre to Machine Front	3 351 mm	(10 ft. 12 in.)
B5	Height - Rock Guard Operating Position	4 148 mm	(13 ft. 7 in.)	R	Front Axle Centre to Artic Centre	1 558 mm	(5 ft. 1 in.)
B6	Height - Cab	3 813 mm	(12 ft. 6 in.)	S	Approach Angle	23°	
C	Width over Mudguards	3 790 mm	(12 ft. 5 in.)	T	Maximum Bin Tip Angle	70°	
D	Width over Tyres - 875/65 R29	3 832 mm	(12 ft. 7 in.)	U	Maximum Articulation Angle	42°	
D	Width over Tyres - 29.5R25	3 714 mm	(12 ft. 2 in.)	V	Front Tie Down Height	1 269 mm	(4 ft. 2 in.)
E	Tyre Track Width - 875/65 R29	2 949 mm	(9 ft. 8 in.)	W	Machine Lifting Centres	10 632 mm	(34 ft. 11 in.)
E	Tyre Track Width - 29.5R25	2 952 mm	(9 ft. 8 in.)	X	Inner Turning Circle Radius - 875/65 R29	4 694 mm	(15 ft. 5 in.)
F	Width over Bin	3 735 mm	(12 ft. 3 in.)	X	Inner Turning Circle Radius - 29.5R25	4 753 mm	(15 ft. 7 in.)
F1	Width over Tailgate	4 057 mm	(13 ft. 4 in.)	Y	Outer Turning Circle Radius - 875/65 R29	9 408 mm	(30 ft. 10 in.)
G	Width over Mirrors - Operating Position	4 027 mm	(13 ft. 3 in.)	Y	Outer Turning Circle Radius - 29.5R25	9 349 mm	(30 ft. 8 in.)
H	Ground Clearance - Artic	558 mm	(21.97 in.)				

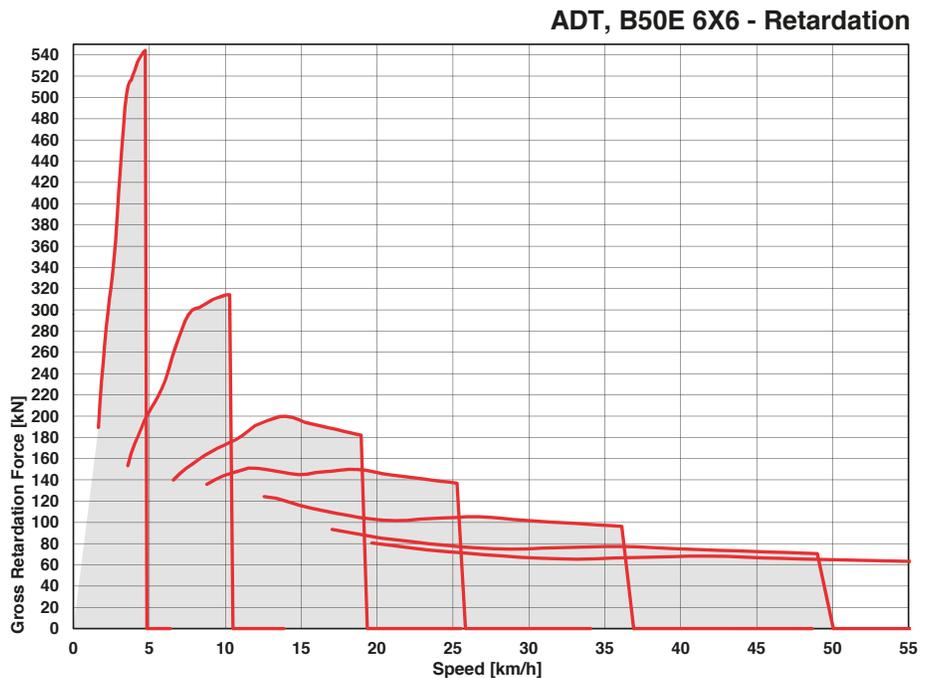
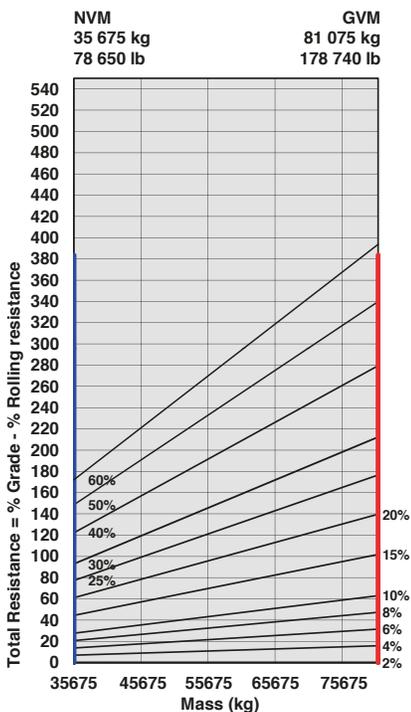
## Gradeability/Rimpull

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.



B40E	B45E	B50E	
<b>ENGINE</b>			
●	●	●	Jacobs Engine Brake®
●	●	●	Dual element air cleaner with dust ejector valve
●	●	●	Precleaner with automatic dust scavenging
●	●	●	Water separator
●	●	●	Serpentine drive belt with automatic tensioner
●	●	●	Provision for fast fill
●	●	●	Wet-sleeve cylinder liners
<b>COOLING</b>			
●	●	●	Crankshaft mounted electronically controlled viscous fan drive
●	●	●	Fan guard
<b>PNEUMATIC SYSTEM</b>			
●	●	●	Engine-mounted compressor
●	●	●	Air drier with heater
●	●	●	Integral unloader valve
<b>ELECTRICAL SYSTEM</b>			
●	●	●	Battery disconnect
●	●	●	Halogen drive lights
▲	▲	▲	LED drive lights
●	●	●	Air horn
●	●	●	Reverse alarm
▲	▲	▲	White noise reverse alarm
●	●	●	Rotating beacon
●	●	●	Rear flashing lights
●	●	●	Pitch Roll Sensor
●	●	●	Halogen Artic reverse light
▲	▲	▲	LED Artic reverse light
●	●	●	LED reverse lights
<b>STEERING SYSTEM</b>			
●	●	●	Bi-directional ground-driven secondary steering pump
<b>CAB</b>			
●	●	●	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
●	●	●	Centre-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

B40E	B45E	B50E	
<b>CAB (continued)</b>			
●	●	●	Cooled/heated lunch box
			Manually adjusted mirrors
			Heated mirrors
●	●	●	Electrically adjusted 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 / Airconditioner/ Heater controls / Preselected Speed Control
<b>DUMP BODY</b>			
●	●	●	Dump body mechanical locks (x2). Partially up and fully up
▲	▲	▲	Body liner
▲	▲	▲	Tailgate
▲	▲	▲	Body heater
▲	▲	▲	Less dump body and cylinders
▲	▲	▲	Low SG bin extensions
▲	▲	▲	Bin pole lockout
<b>OTHER</b>			
●	●	●	Automatic Traction Control (ATC)
●	●	●	Wet disc brakes
●	●	▲	29.5 R 25 Radial Earthmover tires
▲	▲	●	875/65 R 29 Radial Earthmover tires
●	●	●	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
▲	▲	●	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 hood opening
▲	▲	▲	High volume bin
▲	▲	▲	Triangular bin caps
▲	▲	▲	Engine oil quick drain connector

# Enhanced safety and choice

Get your ADT **PDS/CAS\*** Level 9 ready

Bell ADTs can be fitted with the latest and most advanced **PDS/CAS\*** technology on the market to comply with mining regulations and ensure the safety of operators, pedestrians, and other mobile equipment on the job site.



Contact your nearest **Bell Customer Care Centre** today to enquire about **upgrading your Bell ADT.**

At the same time, owners have the flexibility to choose a **PDS/CAS\*** solution that best suits their needs and budget, and the option of fitting this solution to a new **PDS/CAS\*-ready Bell ADT**, or an **older Bell ADT retrofitted with a PDS kit.**



\*Proximity Detection System / Collision Avoidance System

All dimensions are shown in millimeters, unless otherwise stated between brackets. Under our policy of continuous improvement, we reserve the right to change technical data and design without prior notice. Photographs featured in this brochure may include optional equipment. Blu@dvantage™ is a trademark of Bell Equipment Co. (PTY) Ltd AdBlue® is a registered trademark of VDA



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**Strong Reliable Support**

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