

# Water Tankers

16 000 L | 27 000 L | 35 000 L | 38 000 L | 43 000 L



**BELL**

# The full package

A single point solution for all your needs. Bell Equipment's Water Tankers provide a completely integrated solution that delivers the greatest performance while providing reliable support.

As a global leader in Articulated Water Trucks, Bell Equipment brings you a complete OEM solution packed with class leading features that deliver production boosting performance, lower daily operating costs, superior ride quality and uncompromised safety standards.

- Ergonomic in-cab controls provide fatigue-beating operation, efficient water use, and rapid operation.

- Advanced performance information is readily available to the operator to enhance performance and turnaround times.

- The full integration of all systems has enabled the development of innovative control features that expand the machine's functionality.

- Daily operational costs are reduced thanks to advanced fuel saving technology coupled with high strength lightweight material.



With a strong legacy in mining and construction, the Bell Water Tanker is designed to withstand all heavy duty applications.

A wide range of options and intelligent operation deliver best performance in dust suppression to increase visibility on site and provide effective pulmonary disease prevention.

Innovative control features provide the accuracy required in material hydration applications and flexibility for firefighting requirements.

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



## Intelligence at your fingertips...

In-cab controls provide an ergonomic solution to control all implements and reduce operator fatigue and water wastage.

Leveraging the advanced system control and diagnostic capabilities has enabled the development of innovative features including:

- Auto spread: Ensures a uniform spread of water regardless of vehicle speed
- Ramp spray: Hill adjusted flow rate
- On board weighing: The volume of water in the tank is displayed on the display unit
- Pulse mode: Creates variable bursts of water to preserve water
- Reverse camera display: Viewable on the display unit during operation to see the spray of water from the cab

The pump speed is automated to provide the required flow rates for all activated implements. The automation of the pump speed removes complexity for the operator, improving performance and comfort. Full control or minor adjustments to the pump speed is possible with the use of the sealed switch module.

The optional remote water cannon can be controlled with the joystick. Rotating the joystick varies the spray pattern while the height and direction of the cannon is adjusted by shifting the joystick.

Each implement can be controlled with a dedicated push button on the sealed switch module. This enables individual activation of each of the valves. The dribble bar is split in half to provide further control.



Our wide range of optional implements provide the customisation needed to meet any job requirement.

A remote or manual water cannon can be fitted to the top of the tank to provide the height to target a jet of water at a desired target. The spread pattern can be altered from a fog to stream pattern while the flow rate can be adjusted with the use of the pump speed.

Three spray valves come standard on the rear of the water tank. Additional batter spray valves can be installed on the rear upper corners of the tank to enhance the spread pattern.

Optional hoses are available ranging from retractable hose reels to lay flat hoses.

A gravity fed or pressurised penetration spray bar can be installed on the rear of the water tank. The pressurised option has the additional option of nozzles to enhance the penetration potential of the spray bar.

Custom implements can be controlled with the flexible control electronics for further customisation.



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.



The planetary powershift transmission optimises shift points to match conditions and vehicle weight while protecting the transmission from operator error and abuse. Allison FuelSense<sup>®</sup> calibration optimises production and fuel burn.



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



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





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



- The water tank is designed to have a low centre of gravity for vehicle stability. Baffle plates further improve this stability by reducing sloshing effect of the water inside the water tank.

- Handrails are fitted along the staircase and on top of the water tank to ensure the safety of all roof access requirements. The plumbing is also routed internally to prevent any tripping hazards.

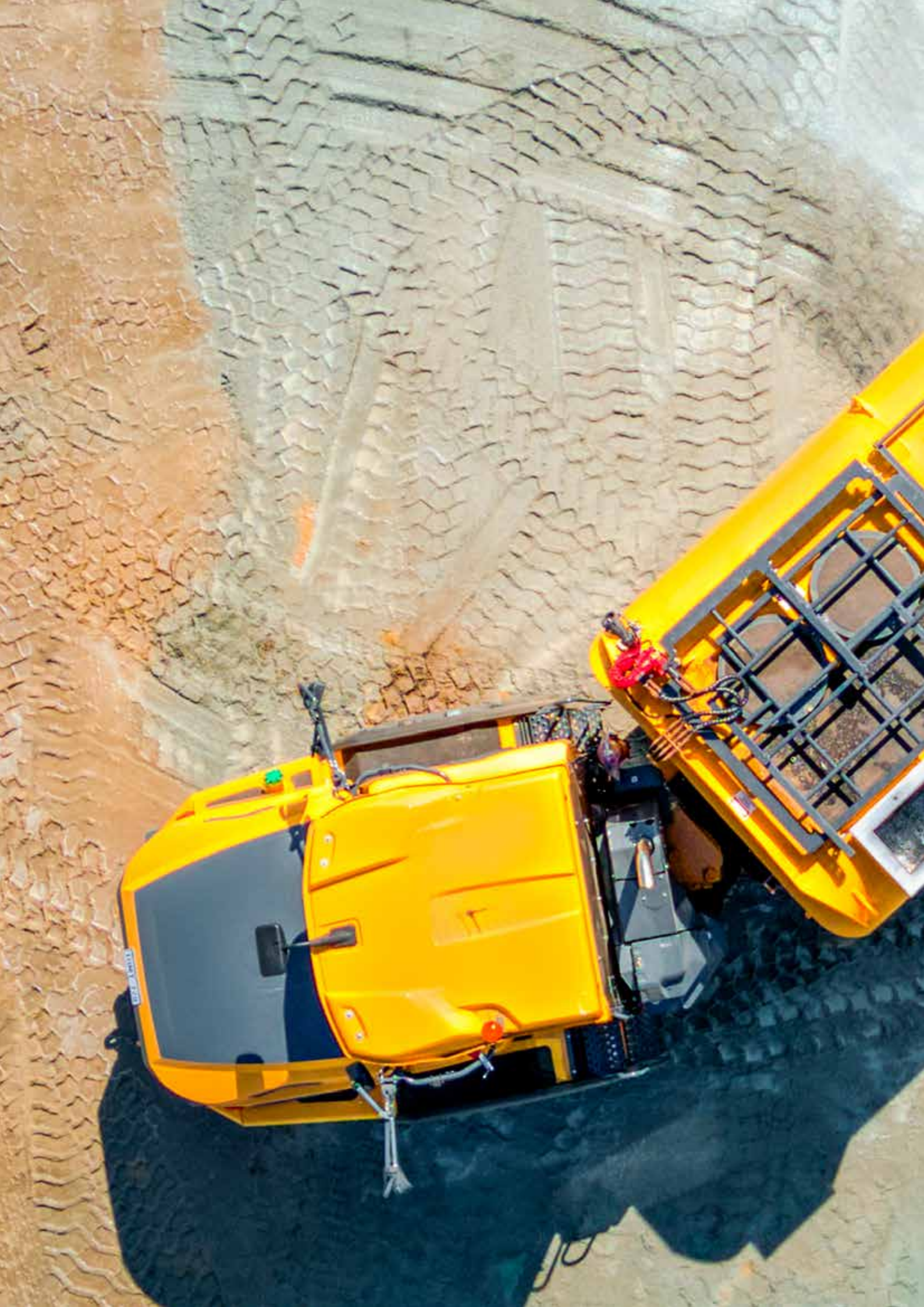
- Guards on the tank inlet to the pump and additional pipe protect the pump from any impurities. Safety reminders for the filling of the water tank from a reservoir are displayed.

- 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.

- 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.

- The short front end provides the best approach angle that allows these Water Tankers to attack steep terrain.









## Re lia b le Pe rfo rma nc e

- With the iro sc illa ting fra me and high-flota tion tyres, Bell trucks won't leave you stuc k. The artic ula tio n en su re s ma no euv ra bility to get in and out of tight spots.
- Eve ry wa ter tank is pressurised during inspection to meet the highest quality standards.
- The use of high strength, lightweight materials coupled with fuel saving technology give these trucks the best fuel efficiency.
- The tank is constructed with internal baffle plates, which enhance the rigidity of the tank while providing greater stability. The tank is coated internally with an epoxy lining to prevent rust and prolong the life span of the product.
- Serviceability is enhanced with the pump and components being ground level accessible.
- Complete system integration enables the remote monitoring of live vehicle information for ease of fleet management.



# Maximise 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 and grouped service points make quick work of the daily routine. Quick-change filters together with extended engine and hydraulic oil-service intervals lower daily operating costs and provide superior machine uptime.

The industry leading, 10" colour monitor offers on-board machine diagnostics as well as automated daily service functionality, coupled with diagnostic test ports, for ease of troubleshooting and informing 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 centre simplifies fuse replacement. Fewer relays, connectors and harnesses mean higher reliability.



The remote transmission filter option makes transmission filter replacement an even faster and cleaner task.





- Automated daily service checks can be done with ease and comfort from inside the operator station using the 10" colour 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 Centre has the parts and backup you need to stay productive and offers a wide variety of preventive maintenance and support programmes to help you control costs.



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.





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 machines 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 realtime geospatial data





# 2806E 4x4 16 000 L Artic ula te d Wa te r Ta nke r

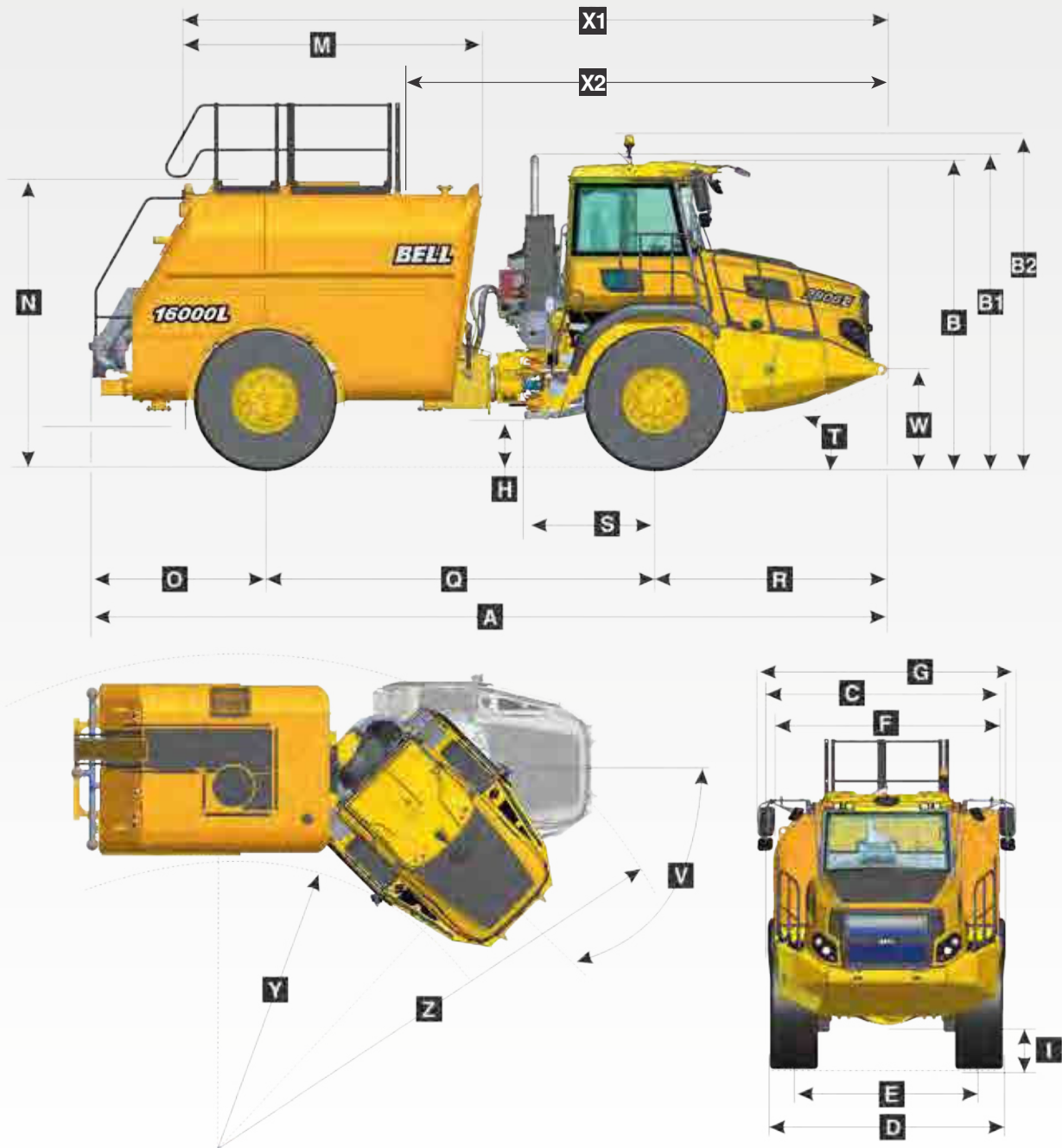
<b>ENGINE</b>	<b>Torque Control</b>	<b>Optional automatic, adjustable, integral hydrodynamic transmission retarder</b>	<b>PNEUMATIC SYSTEM</b>
Manufacturer Mercedes Benz	Hydrodynamic with lock-up in all gears.	Output shaft speed dependant.	Air drier with heater and integral unload valve, serving park brake and auxiliary functions.
Model OM906LA	<b>TRANSFER BOX</b>	<b>Maximum Retardation</b>	System Pressure 810 kPa (117 psi)
Configuration Inline 6, turbocharged and intercooled.	Manufacturer Kessler	165 kW (221 hp) Standard continuous	<b>ELECTRICAL SYSTEM</b>
Gross Power 205 kW (275 hp) @ 2 200 rpm	Series W1400	539 kW (723 hp) with Maximum retarder option	Voltage 24 V
Net Power 198 kW (265 hp) @ 2 200 rpm	Layout Remote mounted	<b>WHEELS</b>	Battery Type Two AGM (Absorption Glass Mat) type
Gross Torque 1 100 Nm (811 lb ft) @ 1 200 -1 600 rpm	Gear Layout Three in-line helical gears	Standard Tyre: Size 23.5 X 25 SRG	Battery Capacity 2 X 75 Ah
Displacement 6,37 litres (389 cu.in)	Output Differential Permanent interaxle differential lock	Standard Tyre: Type Radial Earthmover	Alternator Rating 28 V 80 A
Auxiliary Brake Exhaust Valve Brake Engine Valve Brake	<b>AXLES</b>	<b>FRONT SUSPENSION</b>	<b>VEHICLE SPEEDS</b>
Fuel Tank Capacity 379 litres (100 US gal)	High torque, low speed suitable for dual wheels.	Semi-independent, leading A-frame supported by hydro-pneumatic suspension struts.	1st 8 km/h 5 mph 2nd 15 km/h 9 mph 3rd 20 km/h 12 mph 4th 28 km/h 17 mph 5th 37 km/h 23 mph 6th 43 km/h 27 mph R 6 km/h 3 mph
Certification OM906LA meets EU Stage IV EPA Tier 2 emissions regulations.	Manufacturer Bell	<b>HYDRAULIC SYSTEM</b>	<b>WATER TANK</b>
<b>TRANSMISSION</b>	Model 15T	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.	Tank capacity 16 000 Litres
Manufacturer Allison	Differential High input limited slip differential with spiral bevel gears.	Pump Type Variable displacement load sensing piston	<b>WATER TANKER PLUMBING</b>
Model 3500PR ORS	Final Drive Outboard heavy duty planetary on all axles	Flow 165 l/min (44 gal/min)	Centrifugal water pump
Configuration Fully automatic planetary transmission with optional retarder	<b>BRAKING SYSTEM</b>	Pressure 28 Mpa (4 061 psi)	Rate of Flow 1 800 l/min
Layout Engine mounted	Service Brake Dual circuit, full hydraulic actuation Wet disc brakes.	Filter 5 microns	Head 50 m
Gear layout Constant meshing planetary gears, clutch operated.	Maximum Brake Force: 132 kN (29 675 lb f) with standard tyres.	<b>STEERING SYSTEM</b>	<b>CAB</b>
Gears 6 Forward, 1 Reverse	Park & Emergency Spring applied air released, driveline mounted disc	Double-acting cylinders with ground driven emergency steering pump	ROPS/FOPS certified 74 dBA internal sound level measured
Clutch Type Hydraulically operated multi-disc	Maximum Brake Force: 242 kN (54 400 lb f)	Lock to lock turns 4,1	
Control Type Electronic	Auxiliary Brake Automatic exhaust valve brake and engine valve brake.	Steering Angle 45°	

## Load Capacity & Ground Pressure

OPERATING WEIGHTS		GROUND PRESSURE		LOAD CAPACITY	
UNIADEN	kg (lb)	IADEN (No sinkage)		Rated Payload	16 000 litres (4 200 gallons)
Front	10 163 (22 405)		kPa (Psi)		
Rear	9 009 (19 861)	Front	255 (36)		
Total	19 172 (42 267)	Rear	445 (64)		
IADEN	kg (lb)				
Front	12 635 (27 855)				
Rear	17 075 (37 644)				
Total	35 148 (77 488)				



## Dimensions



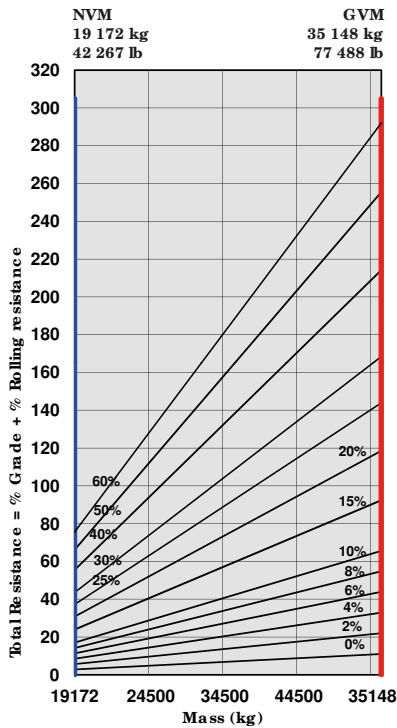
### Machine Dimensions

A	Length - Transport Position	8 946 mm	(29 ft. 4 in.)	N	Maximum Tank Height	3 074 mm	(10 ft. 1 in.)
B	Height - Transport Position	3 436 mm	(11 ft. 3 in.)	O	Rear Axle Centre to Bowser / Tank Rear	1 950 mm	(6 ft. 5 in.)
B1	Height-Rotating Beacon	3 548 mm	(11 ft. 8 in.)	Q	Mid Axle Centre to Front Axle Centre	4 395 mm	(14 ft. 5 in.)
B2	Height-Exhaust	3 517 mm	(11 ft. 6 in.)	R	Front Axle Centre to Machine Front	2 601 mm	(8 ft. 6 in.)
C	Width over Mudguards	2 984 mm	(9 ft. 9 in.)	S	Front Axle Centre to Artic Centre	1 363 mm	(4 ft. 5 in.)
D	Width over Tyres-23.5R25	2 926 mm	(9 ft. 7 in.)	T	Approach Angle	26°	
E	Tyre Track Width-23.5R25	2 325 mm	(7 ft. 8 in.)	V	Maximum Articulation Angle	45°	
F	Width over Tank / Bowser	2 840 mm	(9 ft. 4 in.)	W	Front Tie Down Height	1 092 mm	(3 ft. 7 in.)
G	Width over Mirrors - Operating Position	3 260 mm	(10 ft. 8 in.)	X1	Tank Lifting Centres	6 996 mm	(22 ft. 11 in.)
H	Ground Clearance - Artic	563 mm	(22.17 in.)	X2	Machine Lifting Centres	4 853 mm	(15 ft. 11 in.)
I	Ground Clearance - Front Axle	470 mm	(18.5 in.)	Y	Inner Turning Circle Radius - 23.5R25	3 475 mm	(11 ft. 5 in.)
K	Ground Clearance - Under Run Bar	N/A		Z	Outer Turning Circle Radius - 23.5R25	7 159 mm	(23 ft. 6 in.)
M	Tank / Bowser Length	3 368 mm	(11 ft. 1 in.)				

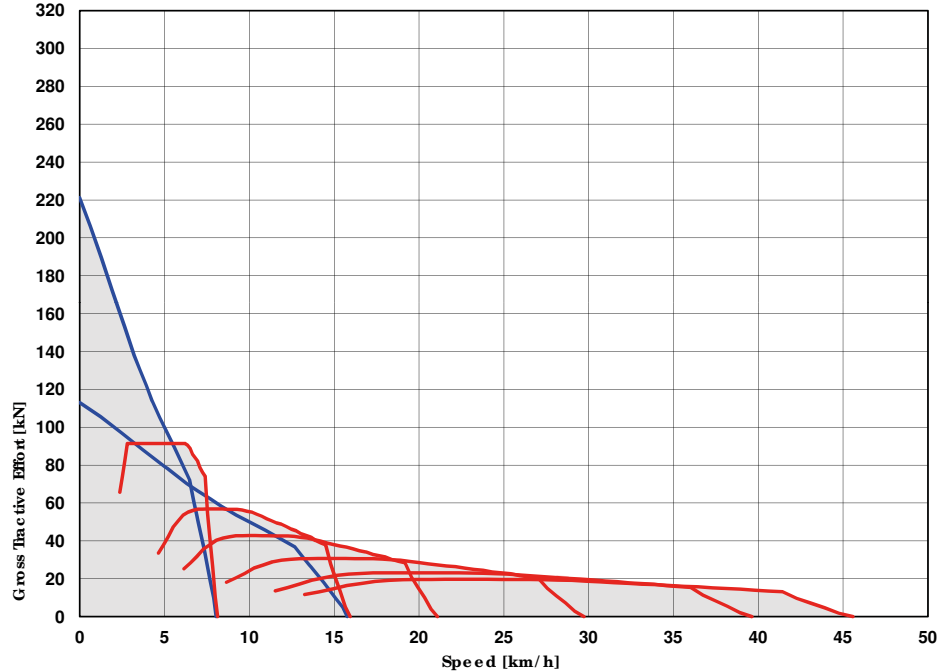


## Gradeability/Rimpull

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.

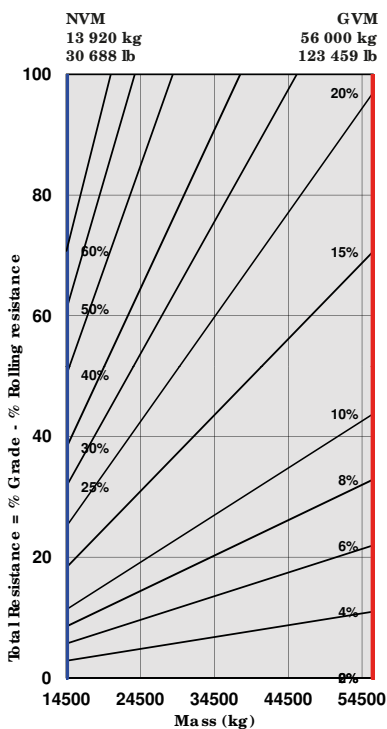


**2806E4x4 16 000 ltr Water Tanker - Tractive Effort**

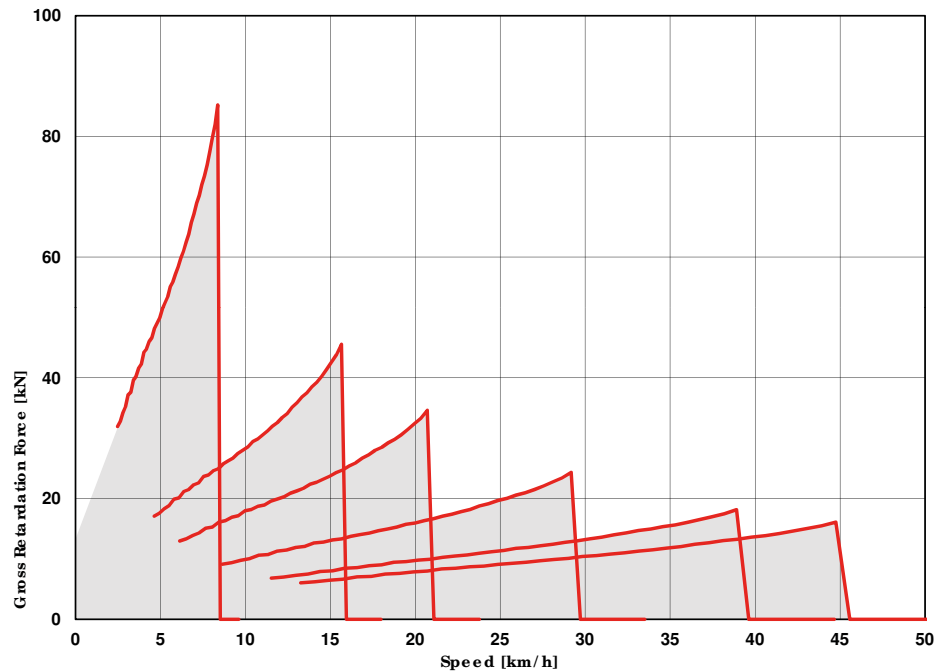


## Retardation

1. Determine retardation force required by finding intersection of vehicle mass line.
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3. Read down from this point to determine maximum speed.



**2806E4x4 16 000 ltr Water Tanker - Retardation**





# B30E 6x6 27 000 L Artic ula te d Wa te r Truc k



## ENGINE

**Ma nu fa c ture r**  
Mer ce des Benz

**Model**  
OM926IA

**Configuration**  
In line 6, turbo charged and inter coo led.

**Net Power**  
240 kW (322 hp) @ 2 200 rpm in accordance with UN EC ER120

**Gross Torque**  
1 300 Nm (959 lb ft)  
@ 1 200 -1 600 rpm

**Displacement**  
7,2 litres (439 cu.in)

**Auxiliary Brake**  
Exhaust Valve Brake  
Engine Valve Brake

**Fuel Tank Capacity**  
379 litres (100 US gal)

**Certification**  
OM926IA meets EU Stage II/EPA Tier 2 emissions regulations.

## TRANSMISSION

**Ma nu fa c ture r**  
Aliso n

**Model**  
3400P ORS

**Configuration**  
Fully auto ma tic plane ta ry trans mis sion

**Layout**  
Engine mounted

**Gear layout**  
Constant meshing plane ta ry gears, clutch operated

**Gears**  
6 Forward, 1 Reverse

**Clutch Type**  
Hydraulic ly operated multi-disc

**Control Type**  
Elec tronic

**Torque Control**  
Hydrodynamic with lock-up in all gears.

## TRANSFER CASE

**Ma nu fa c ture r**  
Kessler

**Series**  
W1400

**Layout**  
Remote mounted

**Gear layout**  
Three in-line helical gears

**Output Differential**  
Interaxle 33/67 proportional differential. Automatic inter-axle differential lock.

## AXLES

**Ma nu fa c ture r**  
Bell

**Model**  
18T

**Differential**  
High input limited slip differential with spiral bevel gears.

**Final Drive**  
Outboard heavy duty planetary on all axles

## BRAKING SYSTEM

**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.

Maximum brake force:  
187 kN (42 000 lbf)

**Park & Emergency**  
Spring applied, air released drive line mounted disc.

Maximum brake force:  
251 kN (56 400 lbf)

**Auxiliary Brake**  
Automatic engine valve brake. Automatic retardation through electronic activation of wet brake system.

**Total Retardation Power**  
265 kW (355 hp) Continuous  
494 kW (662 hp) Maximum

## WHEELS

**Type**  
Radial Earthmover

**Tyre**  
23.5 R25

## FRONT SUSPENSION

Semi-independent, leading A-frame supported by hydro-pneumatic suspension struts.

## REAR SUSPENSION

Pivoting walking beams with laminated rubber suspension blocks

## HYDRAULIC SYSTEM

Full load sensing system serving the prioritize 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**  
165 l/min (44 gal/min)

**Pressure**  
28 Mpa (4 061 psi)

**Filter**  
5 microns

## STEERING SYSTEM

Double acting cylinders, with ground-driven emergency steering pump.

**Lock to lock turns**  
4,1

**Steering Angle**  
45°

## PNEUMATIC SYSTEM

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

**System Pressure**  
810 kPa (117 psi)

## ELECTRICAL SYSTEM

**Voltage**  
24 V

**Battery Type**  
Two AGM (Absorption Glass Mat) type

**Battery Capacity**  
2 X 75 Ah

**Alternator Rating**  
28 V 80 A

## VEHICLE SPEEDS

1st	8 km/h	5 mph
2nd	14 km/h	9 mph
3rd	20 km/h	12 mph
4th	29 km/h	18 mph
5th	43 km/h	26 mph
6th	50 km/h	31 mph
R	8 km/h	5 mph

## WATER TANKER PLUMBING

Standard centrifugal water pump

**Rate of Flow**  
1 800 l/min

**Head**  
50 m

## CAB

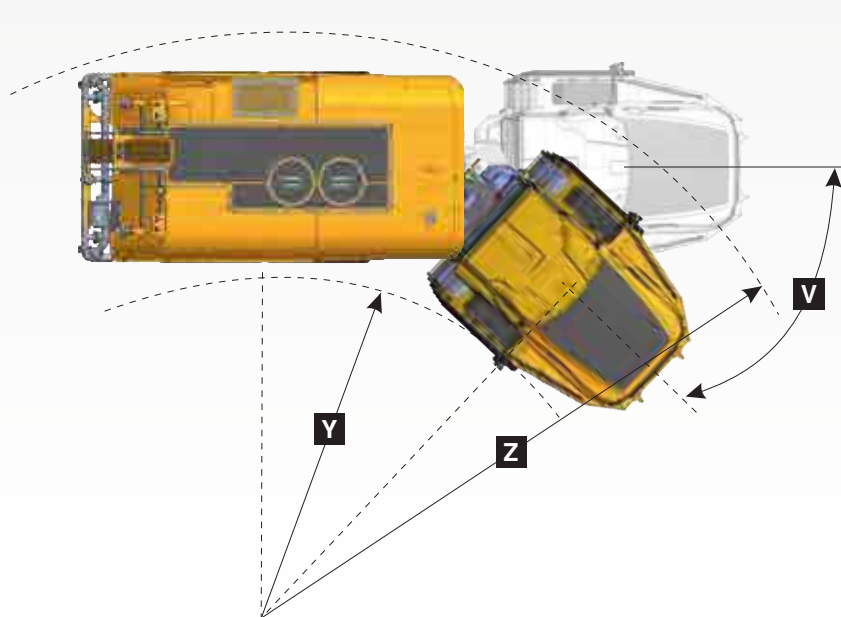
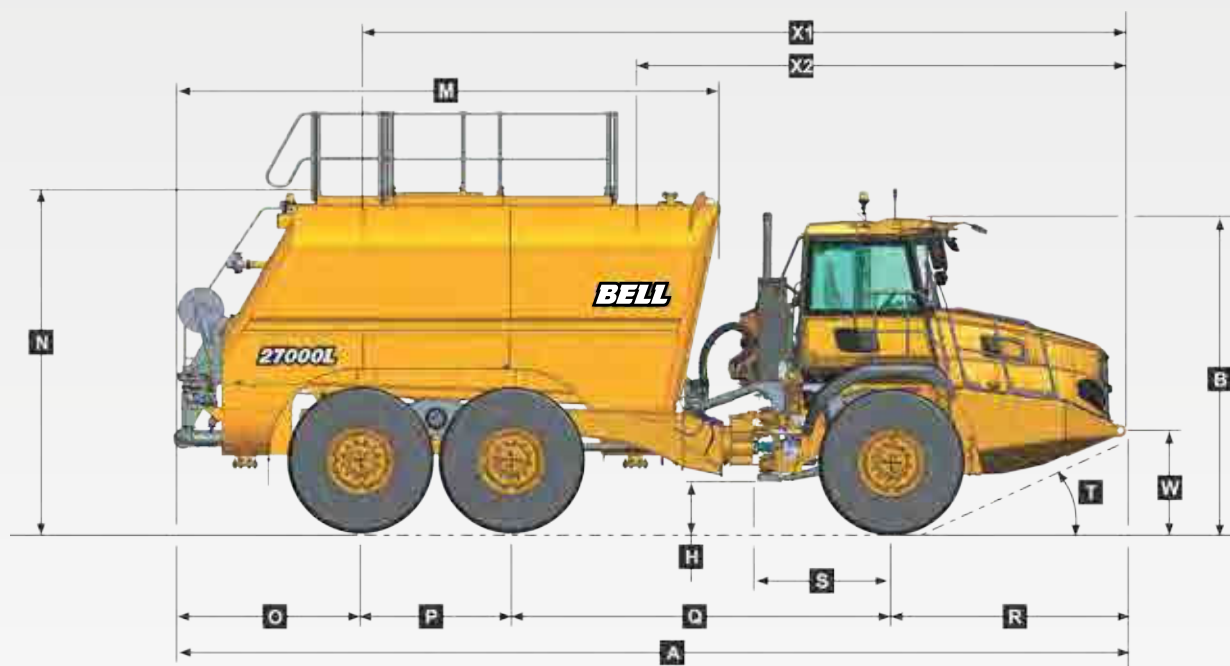
ROPS/FOPS certified 72 dBA internal sound level measured according to ISO 6396.

## Load Capacity & Ground Pressure

OPERATING WEIGHTS		GROUND PRESSURE		LOAD CAPACITY	
UNLADEN - kg (lb)		LADEN (No sinkage)		Rated Payload	27 000 litres (7 100 gallons)
Front	9 750 (21 495)	23.5 R25	kPa (Psi)		
Middle	4 800 (10 582)	Front	280 (41)		
Rear	4 760 (10 494)	Middle	378 (55)		
Total	19 310 (42 571)	Rear	378 (55)		
LADEN - kg (lb)					
Front	13 120 (28 925)				
Middle	17 115 (37 732)				
Rear	17 075 (37 644)				
Total	47 310 (104 301)				



## Dimensions

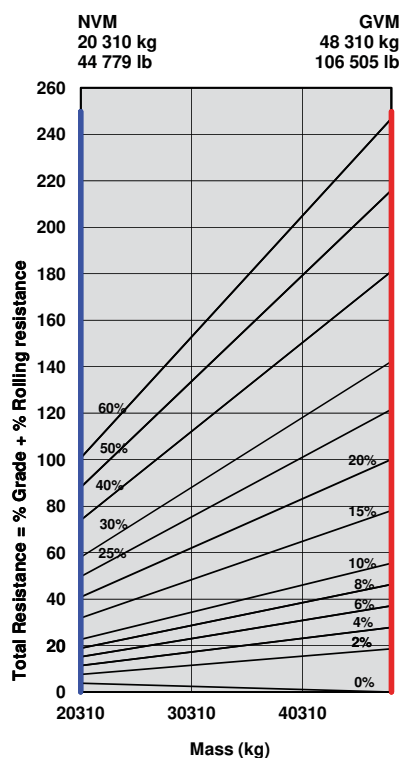


### Machine Dimensions

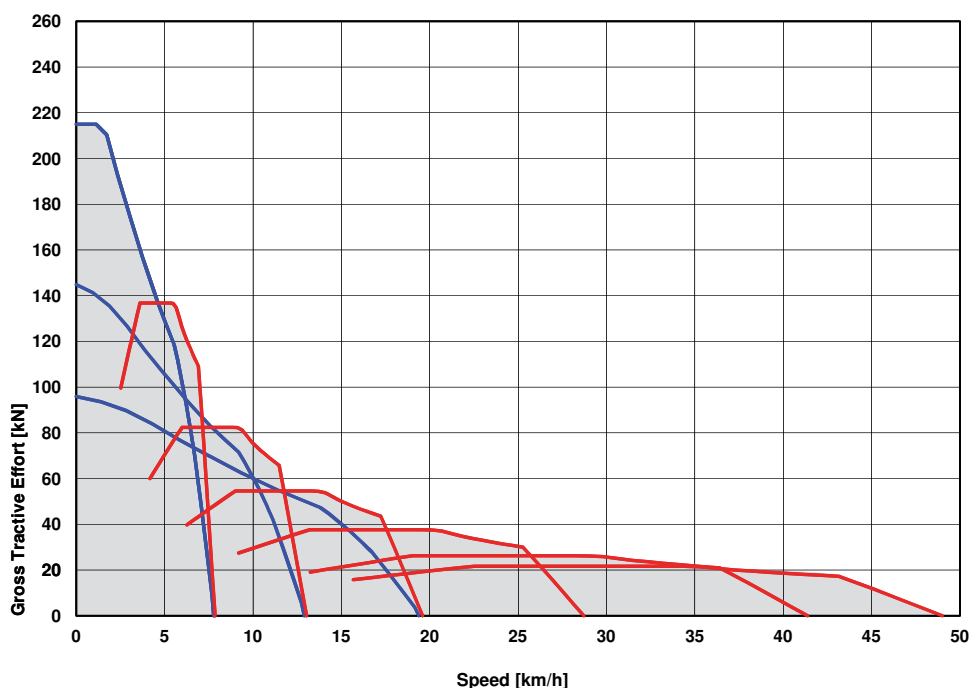
A	Length - Transport Position	10 525 mm	(34 ft. 6 in.)	P	Mid Axle Centre to Rear Axle Centre	1 670 mm	(5 ft. 6 in.)
B	Height - Transport Position	3 436 mm	(11 ft. 3 in.)	Q	Mid Axle Centre to Front Axle Centre	4 181 mm	(13 ft. 9 in.)
C	Width over Mudguards	2 985 mm	(9 ft. 6 in.)	R	Front Axle Centre to Machine Front	2 602 mm	(8 ft. 9 in.)
D	Width over Tyres - 23.5R25	2 940 mm	(9 ft. 8 in.)	S	Front Axle Centre to Artic Centre	1 362 mm	(4 ft. 6 in.)
E	Tyre Track Width - 23.5R25	2 356 mm	(7 ft. 9 in.)	T	Approach Angle	25°	
F	Width over Tank / Bowser	2 855 mm	(9 ft. 4 in.)	V	Maximum Articulation Angle	45°	
G	Width over Mirrors - Operating Position	3 260 mm	(10 ft. 8 in.)	W	Front Tie Down Height	1 075 mm	(3 ft. 6 in.)
H	Ground Clearance - Artic	537 mm	(1 ft. 9 in.)	X1	Tank Lifting Centres	8 359 mm	(27 ft. 5 in.)
I	Ground Clearance - Front Axle	488 mm	(1 ft. 7 in.)	X2	Front Lifting Centre to Tank Lifting Centre	5 334 mm	(17 ft. 6 in.)
M	Tank / Bowser Length	6 030 mm	(19 ft. 9 in.)	Y	Inner Turning Circle Radius - 23.5R25	4 110 mm	(13 ft. 6 in.)
N	Maximum Tank Height	3 780 mm	(12 ft. 8 in.)	Z	Outer Turning Circle Radius - 23.5R25	8 000 mm	(26 ft. 3 in.)
O	Rear Axle Centre to Bowser / Tank Rear	2 072 mm	(6 ft. 10 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.

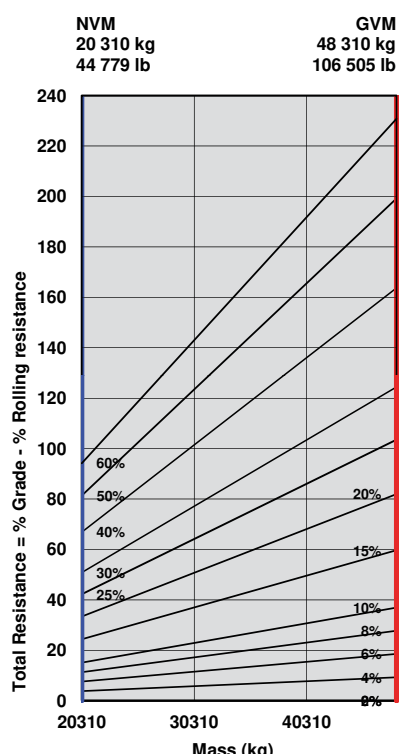


**B30E 6x6 27 000 Ltr Water Tanker - Tractive Effort**

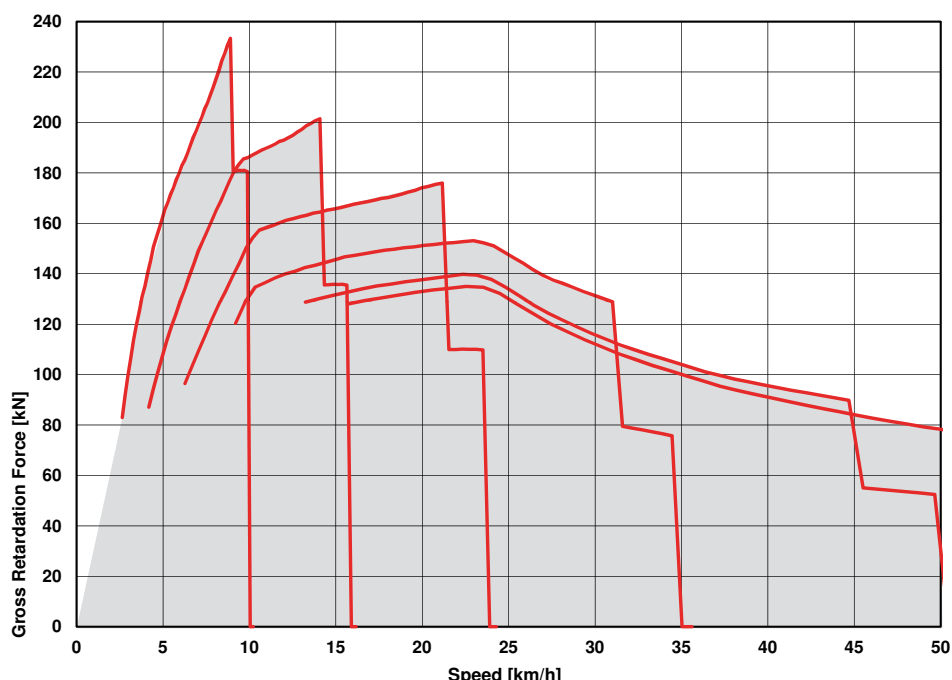


## Retardation

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.



**B30E 6x6 27 000 Ltr Water Tanker - Retardation**





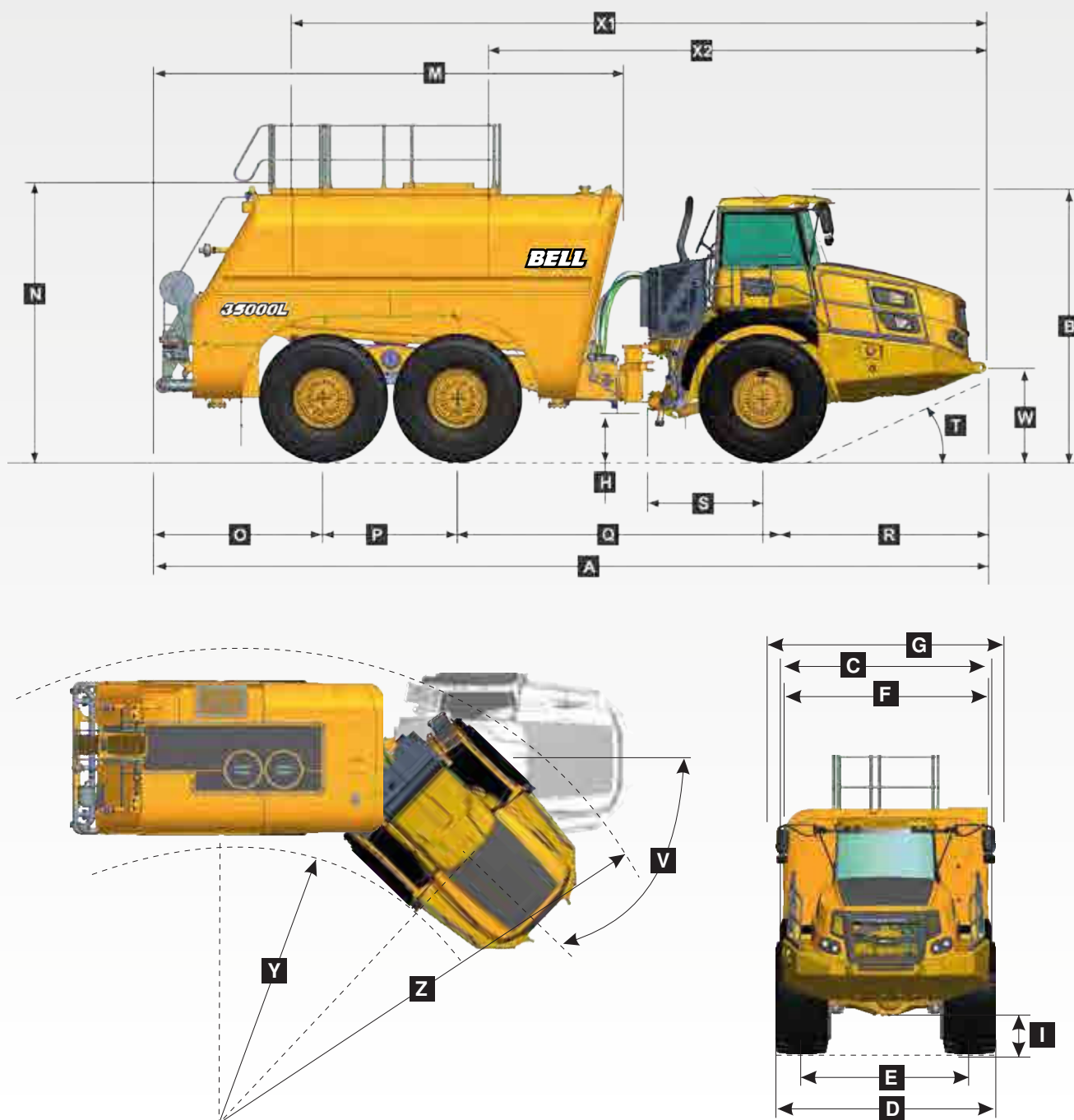
# B40E 6x6 35 000 L Artic ula te d Wa te r Truc k

<div>ENGINE</div> <div>Manufacturer Mercedes Benz (MTU)</div> <div>Model OM471IA (MTU 6R 1300)</div> <div>Configuration Inline 6, turbocharged and intercooled</div> <div>Net Power 380 kW (510 hp) @ 1 600 rpm</div> <div>Gross Torque 2 600 Nm (1 918 lb ft) @ 1 300 rpm</div> <div>Displacement 12,8 litres (781 cu.in)</div> <div>Auxiliary Brake Jacobs Engine Brake®</div> <div>Fuel Tank Capacity 533 litres (140.8 US gal)</div> <div>Certification OM471IA (MTU 6R 1300) is EU Stage IIIA / EPA Tier 3 emission level equivalent</div>	<div>TRANSFER CASE</div> <div>Manufacturer Kessler</div> <div>Model W2400</div> <div>Layout Remote mounted</div> <div>Gear Layout Three in-line helical gears</div> <div>Output Differential Interaxle 29/71 proportional differential. Automatic inter-axle differential lock.</div> <div>AXLES</div> <div>Manufacturer Bell</div> <div>Model 30T</div> <div>Differential High input controlled traction differential with spiral bevel gears</div> <div>Final Drive Outboard heavy duty planetary on all axles</div>	<div>WHEELS</div> <div>Type Radial Earthmover</div> <div>Tyre 29.5 R 25 (875/65 R 29 optional)</div> <div>FRONT SUSPENSION Semi-independent, leading A-frame supported by hydro-pneumatic suspension struts  Option: Electronically controlled adaptive suspension with ride height adjustment</div> <div>REAR SUSPENSION Pivoting walking beams with laminated rubber suspension blocks  Option: Comfort Ride suspension walking beams, with two-stage sandwich block</div> <div>HYDRAULIC SYSTEM Full load sensing system serving the prioritised steering, body tipping and brake functions. A ground-driven, load sensing emergency steering pump is integrated into the main system.</div> <div>Pump Type Variable displacement load sensing piston</div> <div>Flow 330 l/min (87 gal/min)</div> <div>Pressure 315 Bar (4 569 psi)</div> <div>Filter 5 microns</div> <div>STEERING SYSTEM Double acting cylinders, with ground-driven emergency steering pump</div> <div>Lock to lock turns 5</div> <div>Steering Angle 42°</div>	<div>PNEUMATIC SYSTEM Airdrier with heater and integral unloader valve, serving park brake and auxiliary functions</div> <div>System Pressure 810 kPa (117 psi)</div> <div>ELECTRIC SYSTEM Voltage 24 V  Battery Type Two AGM (Absorption Glass Mat) type  Battery Capacity 2 X 75 Ah  Alternator Rating 28V 80A</div> <div>MAX VEHICLE SPEED</div> <table><tr><td>1st</td><td>4 km/h</td><td>2,5 mph</td></tr><tr><td>2nd</td><td>9 km/h</td><td>6 mph</td></tr><tr><td>3rd</td><td>17 km/h</td><td>11 mph</td></tr><tr><td>4th</td><td>23 km/h</td><td>14 mph</td></tr><tr><td>5th</td><td>33 km/h</td><td>21 mph</td></tr><tr><td>6th</td><td>44 km/h</td><td>27,3 mph</td></tr><tr><td>7th</td><td>51 km/h</td><td>32 mph</td></tr><tr><td>R</td><td>7 km/h</td><td>4 mph</td></tr></table> <div>WATER TANKER PLUMBING Centrifugal water pump</div> <div>Rate of Flow 5 400 l/min</div> <div>Head 70 m</div> <div>CAB ROPS/FOPS certified 76 dBA internal sound level measured according to ISO 6396</div>	1st	4 km/h	2,5 mph	2nd	9 km/h	6 mph	3rd	17 km/h	11 mph	4th	23 km/h	14 mph	5th	33 km/h	21 mph	6th	44 km/h	27,3 mph	7th	51 km/h	32 mph	R	7 km/h	4 mph
1st	4 km/h	2,5 mph																									
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5th	33 km/h	21 mph																									
6th	44 km/h	27,3 mph																									
7th	51 km/h	32 mph																									
R	7 km/h	4 mph																									

## Load Capacity & Ground Pressure

OPERATING WEIGHTS		GROUND PRESSURE		LOAD CAPACITY	
UNLADEN		IADEN (No sinkage / Total Contact Area Method)			
	kg (lb)	29.5 R25	kPa (Psi)		
Front	15 743 (34 707)	Front	310 (45)	Rated Payload	35 000 litres (9 250 gallons)
Middle	10 046 (22 147)	Middle	341 (50)		
Rear	9 528 (21 005)	Rear	341 (50)		
Total	35 317 (77 859)				
IADEN					
Front	18 342 (40 438)	875/65 R29	kPa (Psi)		
Middle	27 391 (60 386)	Front	293 (43)		
Rear	27 584 (60 811)	Middle	329 (48)		
Total	73 317 (161 636)	Rear	329 (48)		

## Dimensions



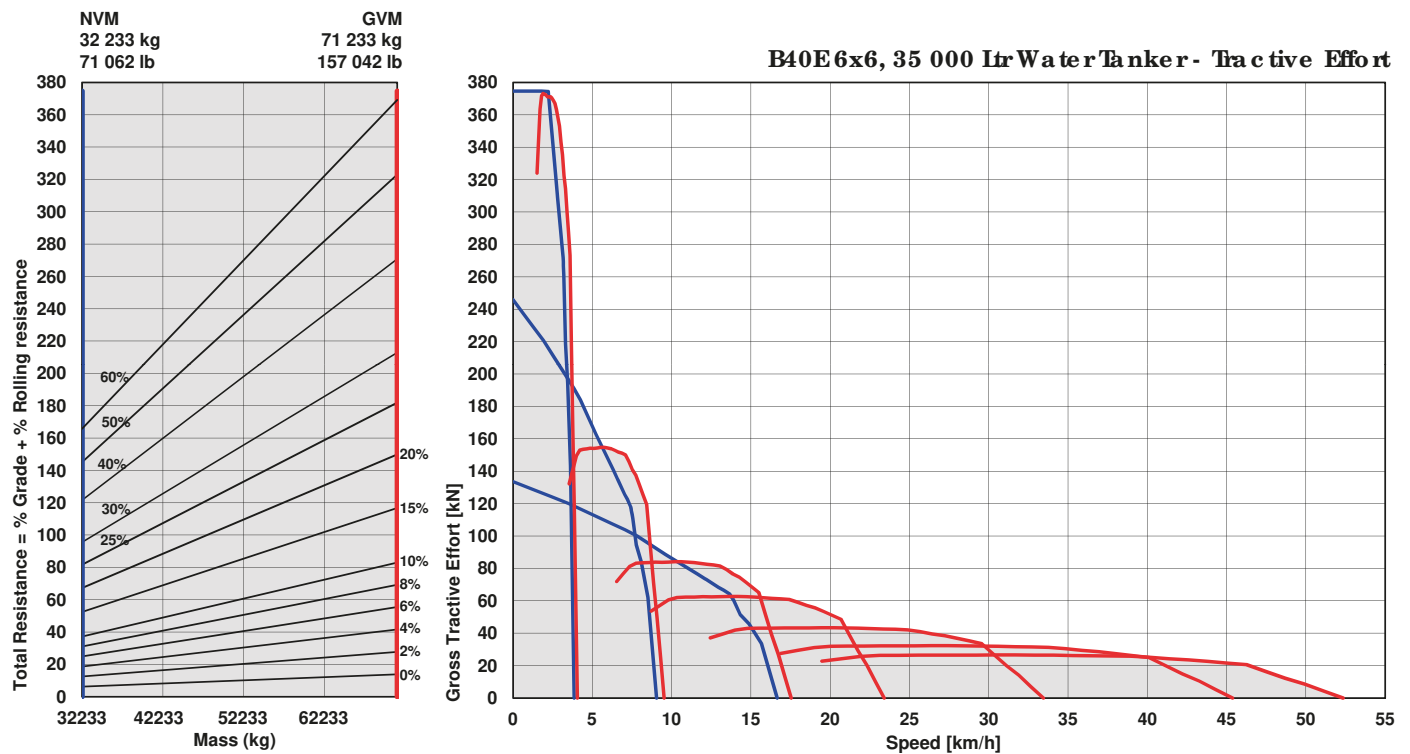
### Machine Dimensions

A	Length - Transport Position	12 084 mm	(39 ft. 8 in.)	O	Rear Axle Centre to Bowser / Tank Rear	2 443 mm	(8 ft. 0 in.)
B	Height - Transport Position	3 802 mm	(12 ft. 6 in.)	P	Mid Axle Centre to Rear Axle Centre	1 950 mm	(6 ft. 5 in.)
C	Width over Mudguards	3 495 mm	(11 ft. 6 in.)	Q	Mid Axle Centre to Front Axle Centre	4 438 mm	(14 ft. 7 in.)
D	Width over Tyres - 875/65 R29	3 656 mm	(11 ft. 12 in.)	R	Front Axle Centre to Machine Front	3 255 mm	(10 ft. 8 in.)
D	Tyre Track Width - 29.5R25	3 487 mm	(11 ft. 5 in.)	S	Front Axle Centre to Artic Centre	1 558 mm	(5 ft. 1 in.)
E	Tyre Track Width - 875/65 R29	2 773 mm	(9 ft. 1 in.)	T	Approach Angle	24°	
E	Tyre Track Width - 29.5R25	2 725 mm	(8 ft. 11 in.)	V	Maximum Articulation Angle	42°	
F	Width over Tank / Bowser	3 379 mm	(11 ft. 1 in.)	W	Front Tie Down Height	1 265 mm	(4 ft. 2 in.)
F	Width over Tank / Bowser (with hose)	3 529 mm	(11 ft. 5 in.)	X1	Tank Lifting Centres	10 023 mm	(32 ft. 10 in.)
G	Width over Mirrors - Operating Position	3 614 mm	(11 ft. 10 in.)	X2	Front Lifting Centres to Tank Lifting Centre	7 173 mm	(23 ft. 6 in.)
H	Ground Clearance - Artic	545 mm	(1 ft. 9 in.)	Y	Inner Turning Circle Radius - 875/65 R29	4 782 mm	(15 ft. 8 in.)
I	Ground Clearance - Front Axle	545 mm	(1 ft. 9 in.)	Y	Inner Turning Circle Radius - 29.5R25	4 866 mm	(15 ft. 12 in.)
M	Tank / Bowser Length	6 797 mm	(22 ft. 4 in.)	Z	Outer Turning Circle Radius - 875/65 R29	9 320 mm	(30 ft. 7 in.)
N	Maximum Tank Height	4 002 mm	(13 ft. 2 in.)	Z	Outer Turning Circle Radius - 29.5R25	9 235 mm	(30 ft. 4 in.)



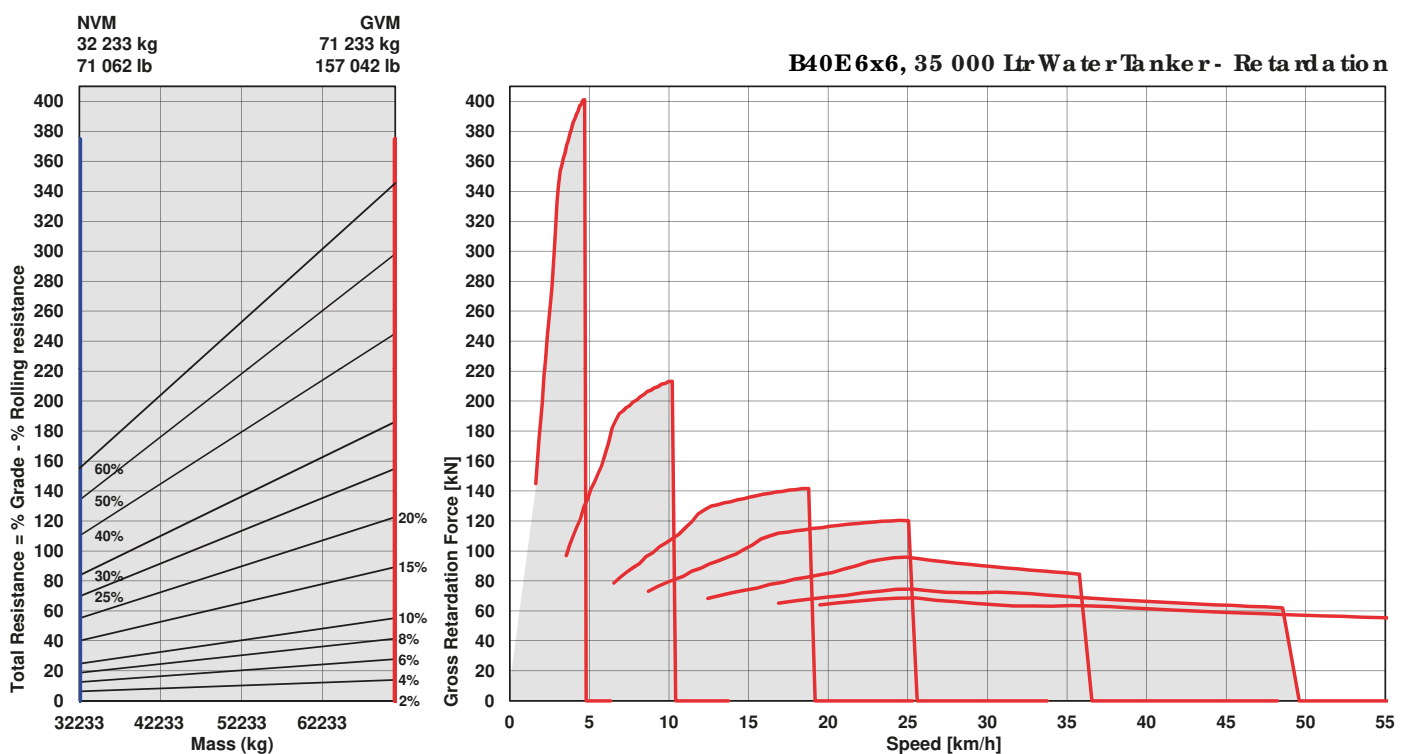
## Gradeability/Rimpull

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 6x6 38 000 L Artic ula te d Wa te r Truc k



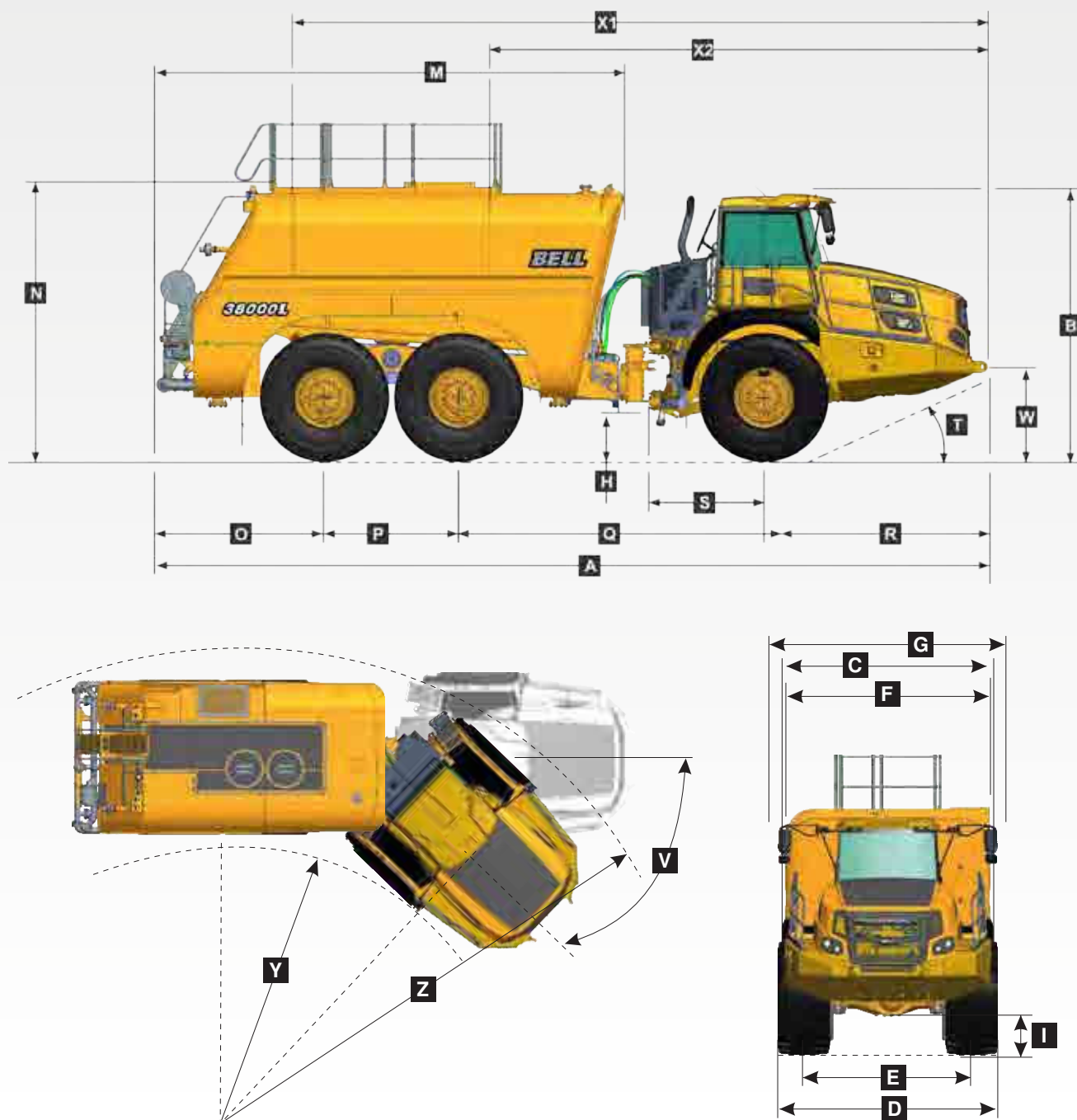
<b>ENGINE</b> Ma nu fac ture r Mer ce des Benz (MTU)  Mo del OM471IA (MTU 6R 1300)  Con fi gu ra tion In line 6, tur bo charged and in ter co oled  Net Power 390 kW (523 hp) @ 1 600 rpm  Gross Torque 2 600 Nm (1 918 lb ft) @ 1 300 rpm  Displacement 12,8 litres (781 cu.in)  Auxiliary Brake Jac obs En gi ne Brake®  Fuel Tank Capacity 533 litres (140.8 US gal)  Certification OM471IA (MTU 6R 1300) is EU Stage IIIA / EPA Tier 3 emission level equivalent	<b>TRANSFER CASE</b> Ma nu fac ture r Kessler  Mo del W2400  Layout Re mote mounted  Gear Layout Three in-line helical gears  Output Differential Interaxle 29/71 proportional differential. Automatic inter-axle differential lock.  <b>AXLES</b> Manufacturer Bell  Mo del 30T  Differential High input controlled traction differential with spiral bevel gears  Final Drive Outboard heavy duty planetary on all axles	<b>WHEELS</b> Type Radial Earthmover  Tyre 29.5 R 25 (875/65 R 29 optional)  <b>FRONT SUSPENSION</b> Semi-independent, leading A-frame supported by hydro-pneumatic suspension struts  Option: Electronically controlled adaptive suspension with ride height adjustment  <b>REAR SUSPENSION</b> Pivoting walking beams with laminated rubber suspension blocks  Option: Comfort Ride suspension walking beams, with two-stage sandwich block  <b>HYDRAULIC SYSTEM</b> Full load sensing system serving the prioritised 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  <b>STEERING SYSTEM</b> Double acting cylinders, with ground-driven emergency steering pump  Lock to lock turns 5  Steering Angle 42°	<b>PNEUMATIC SYSTEM</b> Air drier with heater and integral unloader valve, serving park brake and auxiliary functions  System Pressure 810 kPa (117 psi)  <b>ELECTRIC SYSTEM</b> Voltage 24 V  Battery Type Two AGM (Absorption Glass Mat) type  Battery Capacity 2 X 75 Ah  Alternator Rating 28V 80A  <b>MAX VEHICLE SPEED</b> <table><tr><td>1st</td><td>4 km/h</td><td>2,5 mph</td></tr><tr><td>2nd</td><td>9 km/h</td><td>6 mph</td></tr><tr><td>3rd</td><td>17 km/h</td><td>11 mph</td></tr><tr><td>4th</td><td>23 km/h</td><td>14 mph</td></tr><tr><td>5th</td><td>33 km/h</td><td>21 mph</td></tr><tr><td>6th</td><td>44 km/h</td><td>27,3 mph</td></tr><tr><td>7th</td><td>51 km/h</td><td>32 mph</td></tr><tr><td>R</td><td>7 km/h</td><td>4 mph</td></tr></table>  <b>WATER TANKER PLUMBING</b> Centrifugal water pump  Rate of Flow 5 400 l/min  Head 70 m  <b>CAB</b> ROPS/FOPS certified 76 dBA internal sound level measured according to ISO 6396	1st	4 km/h	2,5 mph	2nd	9 km/h	6 mph	3rd	17 km/h	11 mph	4th	23 km/h	14 mph	5th	33 km/h	21 mph	6th	44 km/h	27,3 mph	7th	51 km/h	32 mph	R	7 km/h	4 mph
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6th	44 km/h	27,3 mph																									
7th	51 km/h	32 mph																									
R	7 km/h	4 mph																									

## Load Capacity & Ground Pressure

OPERATING WEIGHTS		GROUND PRESSURE		LOAD CAPACITY	
UNLADEN		IADEN (No sinkage / Total Contact Area Method)			
	kg (lb)	29.5 R 25	kPa (Psi)		
Front	15 743 (34 707)	Front	321 (47)	Rated Payload	38 000 litres
Middle	10 046 (22 147)	Middle	370 (54)		(10 000 gallons)
Rear	9 528 (21 005)	Rear	370 (54)		
Total	35 317 (77 859)				
IADEN					
Front	18 342 (40 438)	875/65 R29	kPa (Psi)		
Middle	27 391 (60 386)	Front	294 (43)		
Rear	27 584 (60 811)	Middle	331 (48)		
Total	73 317 (161 636)	Rear	331 (48)		



## Dimensions

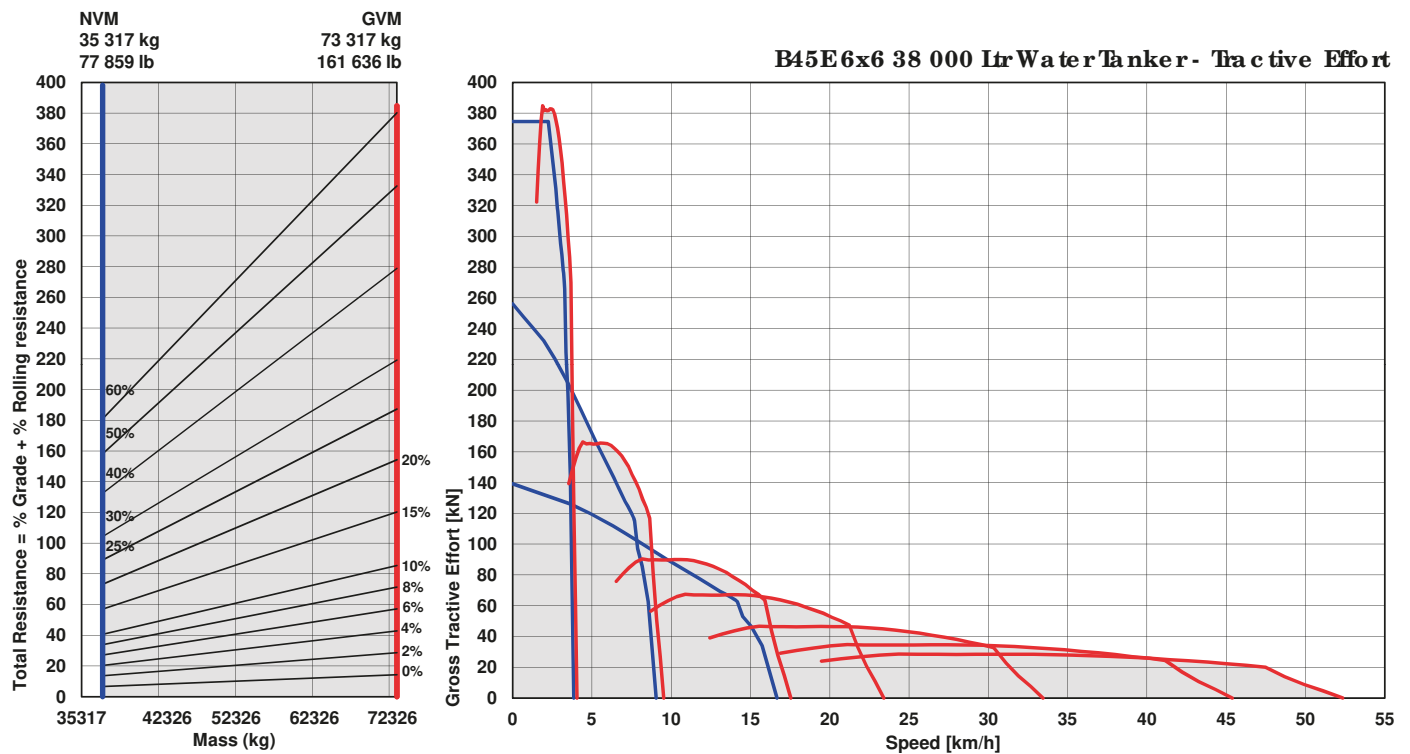


### Machine Dimensions

A	Length - Transport Position	12 084 mm	(39 ft. 8 in.)
B	Height - Transport Position	3 802 mm	(12 ft. 6 in.)
C	Width over Mudguards	3 495 mm	(11 ft. 6 in.)
D	Width over Tyres - 875/65 R29	3 656 mm	(11 ft. 12 in.)
D	Tyre Track Width - 29.5R25	3 487 mm	(11 ft. 5 in.)
E	Tyre Track Width - 875/65 R29	2 773 mm	(9 ft. 1 in.)
E	Tyre Track Width - 29.5R25	2 725 mm	(8 ft. 11 in.)
F	Width over Tank / Bowser	3 379 mm	(11 ft. 1 in.)
G	Width over Mirrors - Operating Position	4 027 mm	(13 ft. 3 in.)
H	Ground Clearance - Artic	545 mm	(1 ft. 9 in.)
I	Ground Clearance - Front Axle	543 mm	(1 ft. 9 in.)
M	Tank / Bowser Length	6 797 mm	(22 ft. 4 in.)
N	Maximum Tank Height	4 002 mm	(13 ft. 2 in.)
O	Rear Axle Centre to Bowser / Tank Rear	2 443 mm	(8 ft. 0 in.)
P	Mid Axle Centre to Rear Axle Centre	1 950 mm	(6 ft. 5 in.)
Q	Mid Axle Centre to Front Axle Centre	4 438 mm	(14 ft. 7 in.)
R	Front Axle Centre to Machine Front	3 253 mm	(10 ft. 8 in.)
S	Front Axle Centre to Artic Centre	1 558 mm	(5 ft. 1 in.)
T	Approach Angle	25°	
V	Maximum Articulation Angle	45°	
W	Front Tie Down Height	1 282 mm	(4 ft. 2 in.)
X1	Tank Lifting Centres	10 023 mm	(32 ft. 10 in.)
X2	Front Lifting Centres to Tank Lifting Centre	7 173 mm	(23 ft. 6 in.)
Y	Inner Turning Circle Radius - 875/65 R29	4 782 mm	(15 ft. 8 in.)
Y	Inner Turning Circle Radius - 29.5R25	4 866 mm	(15 ft. 12 in.)
Z	Outer Turning Circle Radius - 875/65 R29	9 320 mm	(30 ft. 7 in.)
Z	Outer Turning Circle Radius - 29.5R25	9 235 mm	(30 ft. 4 in.)

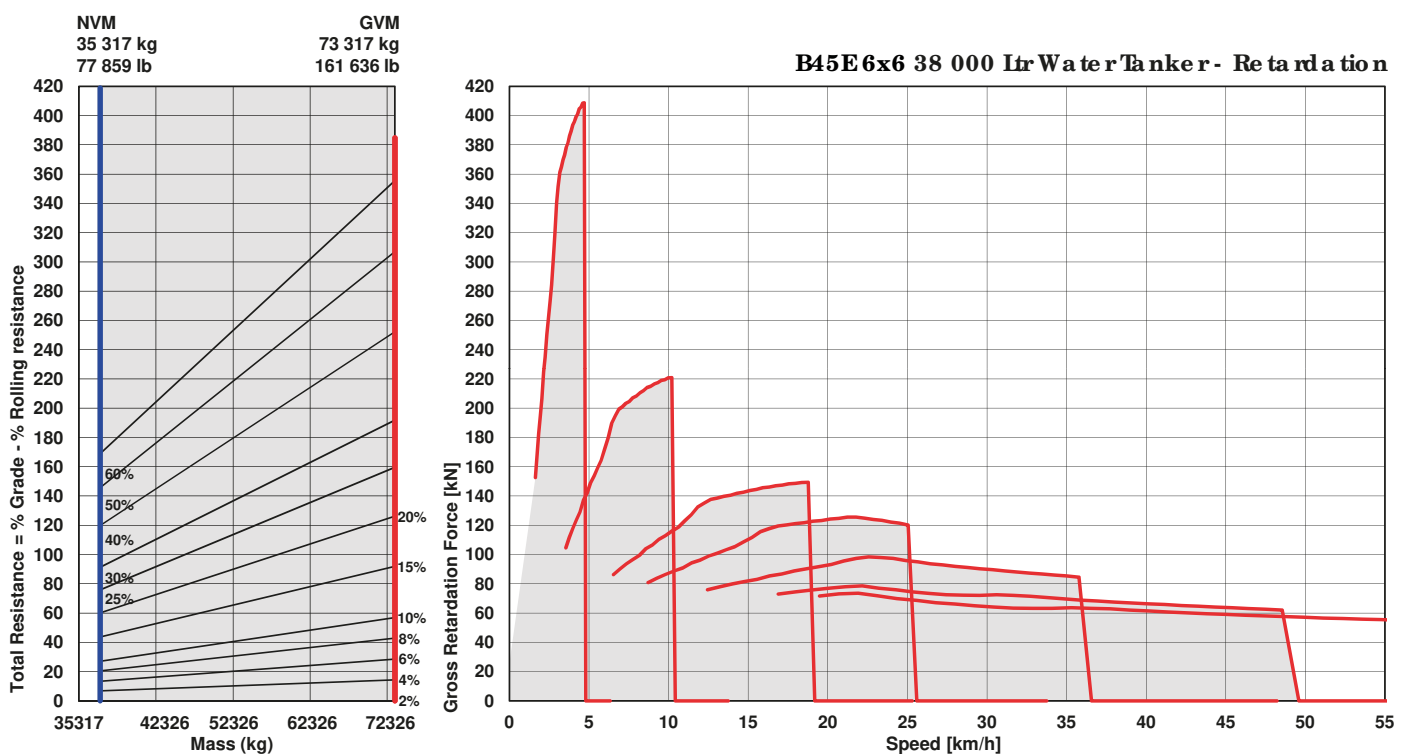
## Gradeability/Rimpull

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 6x6 43 000 L Articulated Water Truck

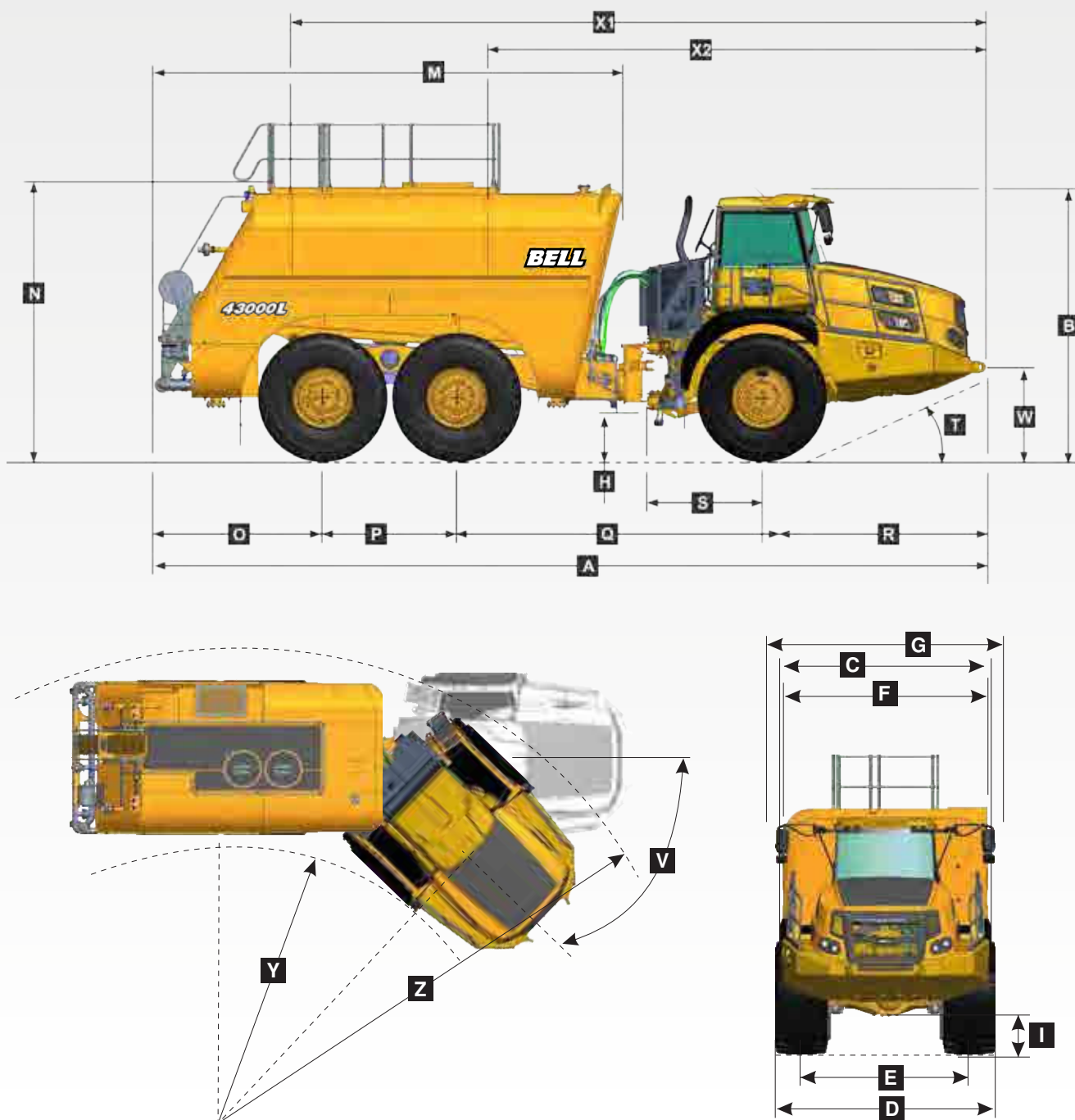


ENGINE	TRANSFER CASE	WHEELS	PNEUMATIC SYSTEM																								
Manufacturer Mercedes Benz (MTU)	Manufacturer Kessler	Type Radial Earthmover	Air drier with heater and integral unloader valve, serving park brake and auxiliary functions																								
Model OM473IA (MTU6R 1500)	Model W2400	Tyre 875/65 R29 (29.5 R25 optional)	System Pressure 810 kPa (117 psi)																								
Configuration Inline 6, turbocharged and intercooled	Layout Remote mounted	FRONT SUSPENSION Semi-independent, leading A-frame supported by hydro-pneumatic suspension struts	ELECTRIC SYSTEM Voltage 24 V																								
Net Power 430 kW (577 hp) @ 1 600 rpm	Gear Layout Three in-line helical gears	Option: Electronically controlled adaptive suspension with ride height adjustment	Battery Type Two AGM (Absorption Glass Mat) type																								
Gross Torque 2 850 Nm (2 102 lbf) @ 1 300 rpm	Output Differential Interaxle 29/71 proportional differential. Automatic inter-axle differential lock.	REAR SUSPENSION Pivoting walking beams with laminated rubbersuspension blocks	Battery Capacity 2 X 75 Ah																								
Displacement 15,6 litres (952 cu.in)	AXLES Manufacturer Bell	Option: Comfort Ride suspension walking beams, with two-stage sandwich block	Alternator Rating 28V 80A																								
Auxiliary Brake Jacobs Engine Brake®	Model 30T	HYDRAULIC SYSTEM Full load sensing system serving the prioritised steering, body tipping and brake functions. A ground-driven, load sensing emergency steering pump is integrated into the main system.	MAX VEHICLE SPEED <table><tr><td>1st</td><td>4 km/h</td><td>2,5 mph</td></tr><tr><td>2nd</td><td>9 km/h</td><td>6 mph</td></tr><tr><td>3rd</td><td>17 km/h</td><td>11 mph</td></tr><tr><td>4th</td><td>23 km/h</td><td>14 mph</td></tr><tr><td>5th</td><td>33 km/h</td><td>21 mph</td></tr><tr><td>6th</td><td>44 km/h</td><td>27,3 mph</td></tr><tr><td>7th</td><td>51 km/h</td><td>32 mph</td></tr><tr><td>R</td><td>7 km/h</td><td>4 mph</td></tr></table>	1st	4 km/h	2,5 mph	2nd	9 km/h	6 mph	3rd	17 km/h	11 mph	4th	23 km/h	14 mph	5th	33 km/h	21 mph	6th	44 km/h	27,3 mph	7th	51 km/h	32 mph	R	7 km/h	4 mph
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5th	33 km/h	21 mph																									
6th	44 km/h	27,3 mph																									
7th	51 km/h	32 mph																									
R	7 km/h	4 mph																									
Fuel Tank Capacity 630 litres (166 USgal)	Differential High input controlled traction differential with spiral bevel gears	Pump Type Variable displacement load sensing piston	WATER TANKER PLUMBING Centrifugal water pump																								
Certification OM473IA (MTU6R 1500) is EU Stage IIIA / EPA Tier3 emission level equivalent	Final Drive Outboard heavy duty planetary on all axles	Flow 330 L/min (87 gal/min)	Rate of Flow 5 400 L/min																								
TRANSMISSION	Maximum brake force: 458 kN (102 962 lbf)	Pressure 315 bar (4 569 psi)	Head 70 m																								
Manufacturer Allison	Park & Emergency Spring applied, air release drive line mounted disc	Filter 5 microns	CAB ROPS/FOPS certified 76 dBA internal sound level measured according to ISO 6396																								
Model 4800 ORS	Maximum brake force: 215.5 kN (48 446 lbf)	STEERING SYSTEM Double acting cylinders, with ground-driven emergency steering pump																									
Configuration Fully automatic planetary transmission	Auxiliary Brake Jacobs Engine Brake®. Automatic retardation through electronic activation of wet brake system.	Lock to lock turns 4,9																									
Layout Engine mounted	Total Retardation Power Continuous: 546 kW (732 hp) Maximum: 963 kW (1 291 hp)	Steering Angle 42°																									
Gear Layout Constant meshing planetary gears, clutch operated																											
Gears 7 Forward, 1 reverse																											
Clutch Type Hydraulically operated multi-disc																											
Control Type Electronic																											
Torque Control Hydrodynamic with lock-up in all gears																											

## Load Capacity & Ground Pressure

OPERATING WEIGHTS		GROUND PRESSURE		LOAD CAPACITY	
UNLADEN		IADEN (No sinkage / Total Contact Area Method)		Rated Payload	43 000 litres (11 350 gallons)
	kg (lb)	29.5 R25	kPa (Psi)		
Front	16 442 (36 248)	Front	326 (47)		
Middle	10 708 (23 607)	Middle	395 (57)		
Rear	10 574 (23 312)	Rear	395 (57)		
Total	37 724 (83 167)				
IADEN					
Front	19 926 (43 929)	875/65 R29	kPa (Psi)		
Middle	30 066 (66 284)	Front	296 (43)		
Rear	30 732 (67 752)	Middle	366 (53)		
Total	80 724 (177 966)	Rear	366 (53)		

## Dimensions



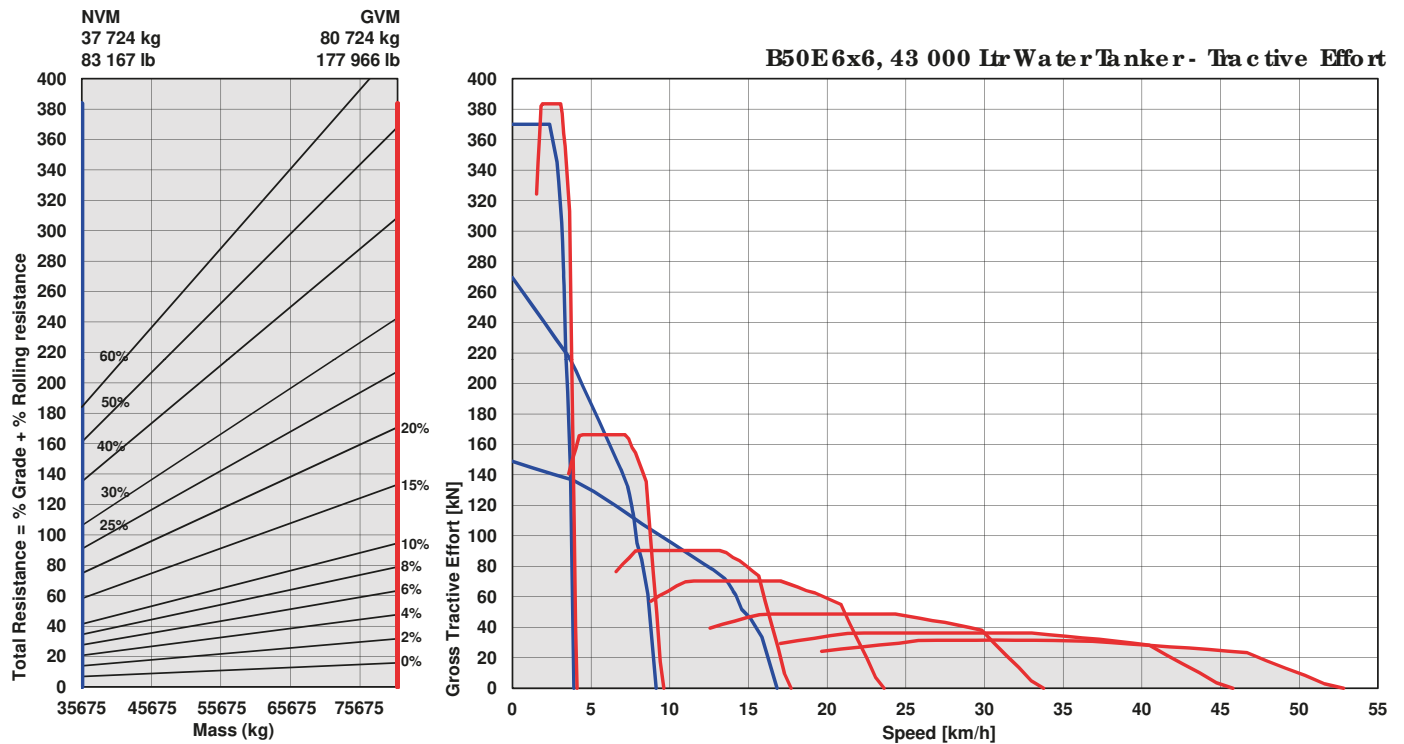
### Machine Dimensions

A	Length - Transport Position	12 279 mm	(40 ft. 3 in.)	O	Rear Axle Centre to Bowser / Tank Rear	2 543 mm	(8 ft. 4 in.)
B	Height - Transport Position	3 820 mm	(12 ft. 6 in.)	P	Mid Axle Centre to Rear Axle Centre	1 950 mm	(6 ft. 5 in.)
C	Width over Mudguards	3 790 mm	(12 ft. 5 in.)	Q	Mid Axle Centre to Front Axle Centre	4 438 mm	(14 ft. 7 in.)
D	Width over Tyres - 875/65 R29	3 832 mm	(12 ft. 7 in.)	R	Front Axle Centre to Machine Front	3 351 mm	(11 ft. 0 in.)
D	Tyre Track Width - 29.5R25	3 714 mm	(12 ft. 2 in.)	S	Front Axle Centre to Artic Centre	1 558 mm	(5 ft. 1 in.)
E	Tyre Track Width - 875/65 R29	2 949 mm	(9 ft. 8 in.)	T	Approach Angle	23°	
E	Tyre Track Width - 29.5R25	2 952 mm	(9 ft. 8 in.)	V	Maximum Articulation Angle	42°	
F	Width over Tank / Bowser	3 699 mm	(12 ft. 2 in.)	W	Front Tie Down Height	1 269 mm	(4 ft. 2 in.)
F	Width over Tank / Bowser (with hose)	3 849 mm	(12 ft. 8 in.)	X1	Tank Lifting Centres	10 218 mm	(33 ft. 6 in.)
G	Width over Mirrors - Operating Position	4 027 mm	(13 ft. 3 in.)	X2	Front Lifting Centres to Tank Lifting Centre	7 310 mm	(24 ft. 0 in.)
H	Ground Clearance - Artic	558 mm	(1 ft. 9 in.)	Y	Inner Turning Circle Radius - 875/65 R29	4 694 mm	(15 ft. 5 in.)
I	Ground Clearance - Front Axle	555 mm	(1 ft. 9 in.)	Y	Inner Turning Circle Radius - 29.5R25	4 753 mm	(15 ft. 7 in.)
M	Tank / Bowser Length	6 877 mm	(22 ft. 7 in.)	Z	Outer Turning Circle Radius - 875/65 R29	9 408 mm	(30 ft. 10 in.)
N	Maximum Tank Height	4 137 mm	(13 ft. 7 in.)	Z	Outer Turning Circle Radius - 29.5R25	9 349 mm	(30 ft. 8 in.)



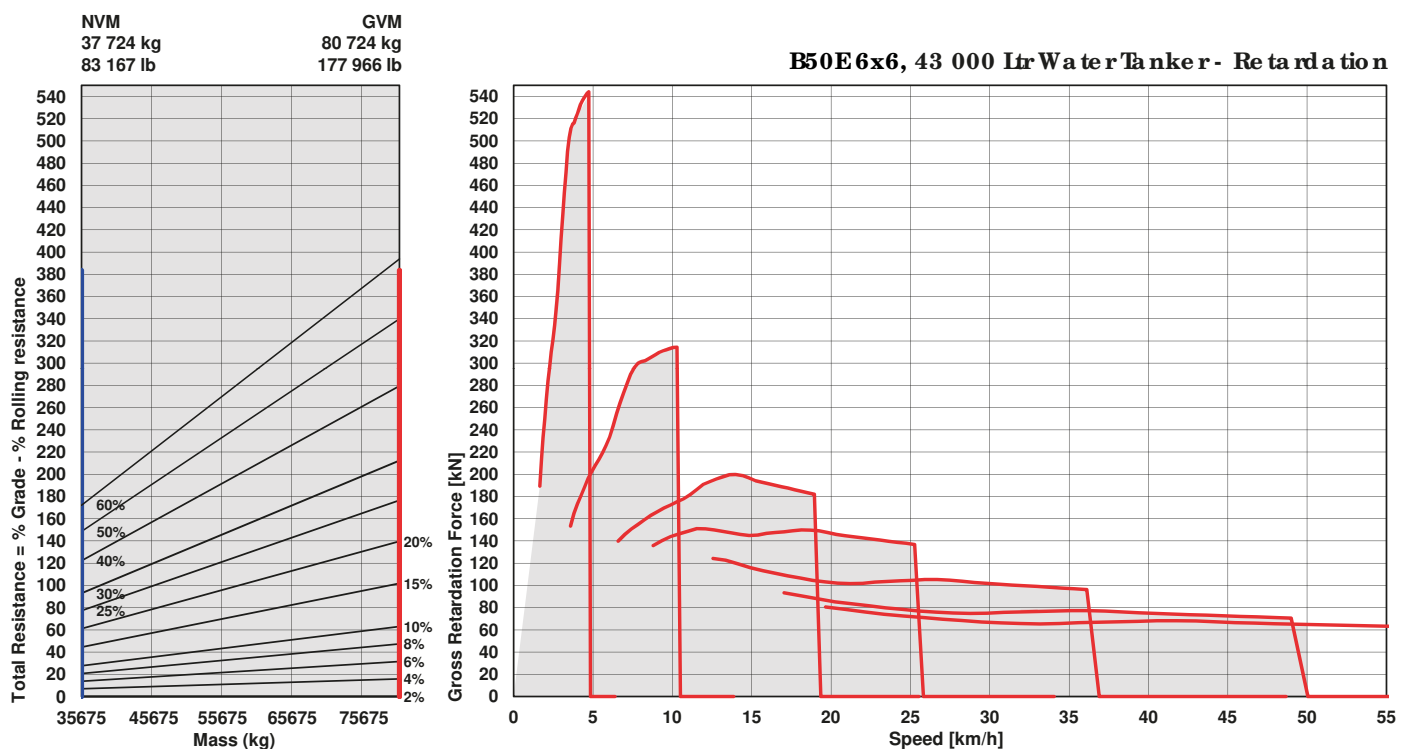
## Gradeability/Rimpull

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.



# Features and Options

● STANDARD ▲ OPTION

16 000 L	27 000 L	35 000 L	38 000 L	43 000 L		16 000 L	27 000 L	35 000 L	38 000 L	43 000 L	
					<b>ENGINE</b>						<b>CAB (continued)</b>
●	●	●	●	●	Engine valve brake and exhaust brake	●	●	●	●	●	12-volt power outlet
●	●	●	●	●	Dual element air cleaner with dust ejector valve	●	●	●	●	●	Cup holder
●	●	●	●	●	Precleaner with auto dust scavenging	●	●	●	●	●	Cooled/heated lunch box
●	●	●	●	●	Water separator	●	●	●	●	●	Utility bin (removable)
●	●	●	●	●	Serpentine drive belt with automatic tensioner	●	●	●	●	●	Manually adjustable mirrors
▲	▲	●	●	●	Provision for fast fill	●	●	●	●	●	Electric adjustable & heated mirrors
▲	▲	●	●	●	Wet-sleeve cylinder liners	●	●	●	●	●	Deluxe 10" colour LCD:
											Speedometer/ Fuel gauge /
					<b>COOLING</b>						Transmission oil temperature gauge /
●	●	●	●	●	Crank-shaft mounted viscous-drive fan						Engine coolant temperature gauge /
●	●	●	●	●	Fan guard						LED function/warning indicators and
											audible alarm / Transmission gear
					<b>PNEUMATIC SYSTEM</b>						selection / Tachometer/ Battery
●	●	●	●	●	Engine-mounted compressor						voltage / Hour meter/ Odometer/
●	●	●	●	●	Air drier with heater						Fuel consumption / Trip timer/
●	●	●	●	●	Integral unloader valve						Trip distance / Metric/English units /
											Service codes/diagnostics
					<b>ELECTRICAL SYSTEM</b>	●	●	●	●	●	Backlit sealed switch module
●	●	●	●	●	Battery disconnect						functions with:
●	●	●	●	●	Drive lights						Wiper control/ Lights/ Heated mirrors /
●	●	●	●	●	Air horn						Retarding aggressiveness / Transfer
●	●	●	●	●	Reverse alarm						case differential lock / Transmission
●	●	●	●	●	White noise reverse alarm						gear hold / Air conditioner/ Heater
●	●	●	●	●	Rotating beacon	●	●	●	●	●	controls/ Preselected Speed Control
●	●	●	●	●	Pitch roll sensor						Backlit Plumbing sealed switch module
●	●	●	●	●	LED drive lights						functions with:
●	●	●	●	●	LED artic reverse light						Battery / Spray / Pulse / Tank fill /
●	●	●	●	●	LED reverse light						Hose reel/ Pump / Dribble bar
					<b>STEERING SYSTEM</b>						<b>PLUMBING</b>
●	●	●	●	●	Uni-directional ground-driven	●	●	●	●	●	Dribble bar
					secondary steering pump	▲	▲	●	●	●	1 800 lpm 50 m head pump
▲	▲	▲	▲	▲	Bi-directional ground-driven	●	●	●	●	●	5 400 lpm 70 m head pump*
					secondary steering pump	▲	▲	▲	▲	▲	Pressurised dribble bar system
											Pressurised dribble bar system with
					<b>CAB</b>						nozzle
●	●	●	●	●	ROPS/FOPS certification	●	●	●	●	●	Spray valves (in-cab activation)
●	●	●	●	●	Tilt cab	●	●	●	●	●	Battery spray valves
●	●	●	●	●	Gas strut-supported door	▲	▲	▲	▲	▲	Fold down top rails
●	●	●	●	●	HVAC Climate control system	●	●	●	●	●	Suction pipe for filling from dam
●	●	●	●	●	AM/FM radio/CD player+ USB	●	●	●	●	●	Step ladder access
●	●	●	●	●	Rear window guard	●	●	●	●	●	Inspection access
●	●	●	●	●	Wiper/washer with intermittent control	●	●	●	●	●	Remote control water cannon
●	●	●	●	●	Tilt and telescoping steering wheel	●	●	●	●	●	Hose reel
●	●	●	●	●	Centre-mount air-suspension seat	▲	●	●	●	▲	
●	●	●	●	●	Halogen work lights			●	●	▲	<b>OTHER</b>
●	●	●	●	●	LED work lights			▲	▲	●	23.5 R 25 tyres
▲	▲	▲	▲	▲	Rotating beacon: seat belt installation	●	●	●	●	●	620/75 R 26 tyres
▲	●	●	●	●	Remote engine and machine isolation	●	●	●	●	●	29.5 R 25 Radial Earthmover tyres
●	●	●	●	●	Remote battery jump start	●	●	●	●	●	875/65 R 29 Radial Earthmover tyres
●	●	●	●	●	High visibility mirrors	●	●	●	●	●	Automatic greasing
●	●	●	●	●	Retractable 3-point seat belt	●	●	●	●	●	Cab peak
●	●	●	●	●	Foldaway trainer seat with retractable seat belt	●	●	●	●	●	Belly cover
						●	●	●	●	●	Hand rails
						●	●	●	●	●	Remote transmission filter
						●	●	●	●	●	Reverse camera

\* (Option only): Larger centrifugal pump available if suction pipe option is not fitted.

## FEATURES OF THE ARTICULATED WATER TRUCK

- **PRODUCTIVE:** Powerful built-for-hauling ADT drive trains are well matched for pulling and retarding heavy loads. Nitrogen overoil strut suspension smooths the ride for operator and machine.
- **ECONOMY:** Modern fuel efficient engine, lockup torque converter and planetary transmission deliver more work per unit of fuel used.
- **EASY TO OPERATE:** High quality cab is conducive to operator care. Simple to use controls and electronic interfaces protect the machine from accidental misuse.



## BATTER SPRAYS



- Two additional spray valves that expand the spray patterns reach on the sides of the tank
- Remotely activated from inside the cab

## HOSE REEL

- 25 m hose reel
- Adjustable fog/ stream nozzle
- Spring retractable



## DRIBBLE BAR

- Gravity fed dribble bar
- Remotely activated from inside the cab
- Even spread pattern covering the width of the vehicle



## PENETRATION SPRAY BARS

- Available with nozzles or holes
- Remotely activated from inside the cab
- Pressurised by the pump to create a jet of water



## REMOTE WATER CANNON

- Adjustable fog/stream pattern
- A variety of flow settings
- Remotely controlled via a joystick inside the cab
- High quality components built to last in heavy duty applications













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