

ARTICULATED DUMP TRUCKS

<i>DA</i> 30	28,000 kg	61,729 lb.	23.3 yd³
<i>DA</i> 40	40,000 kg	88,185 lb.	34.0 yd³

26-40 Metric Ton



DOOSAN DELIVERS a heritage of dedication

1.10

DOOSA

DOOSAN, a strong, stable and global company with a 115-year legacy, has a heritage in equipment manufacturing that began in 1937. Since 2005, we've grown to become the fifth largest construction equipment manufacturer in the world.



Doosan can be found in every area of the infrastructure support business, which encompasses many facets of the heavy construction equipment industry. Many contractors might be surprised to know that, while Doosan is a relatively young brand in the North American construction equipment market, the organization has a global manufacturing history going back more than 75 years.

Today, Doosan Infracore Construction Equipment America (DICEA) and its affiliates are industry leaders in the engineering, manufacturing and marketing of construction equipment including skid-steers, excavators, wheel loaders, articulated dump trucks, attachments, air compressors, lighting systems and generators as well as compact construction equipment and engine power systems.

Building Your Tomorrow Today

Our construction equipment group leads Doosan's infrastructure support business (ISB) segment. Other ISB businesses include:

- Forklifts & Material Handling
- Machine Tools
- Castings & Forgings
- Construction & Engineering
- Power Generation
- Water Treatment & Desalination
- Renewable Energy

Your North American partners.

Throughout our decades of selling equipment in North America, we've been building a network of dealers designed to surpass the standards for customer service. From coast to coast, there's a solid infrastructure that supports your equipment, including a parts distribution facility in Chicago and a service training facility in Georgia, sales training center in Arizona, attachments design and development in Minnesota and sales & marketing support in North Dakota.

Litchfield, MN Heavy Attachments Chicago, IL Parts Distribution Suwanee, GA Service Training & Product Management Atlanta, GA DICEA, NA Headquarters

West Fargo, ND Sales & Marketing

Tucson, AZ Product Training & Testing

DOOSAN DELIVERS *Productivity*

NEW STANDARDS IN PRODUCTIVITY

High productivity means more material moved every day. The Doosan Articulated Dump Truck (ADT) adds a new level of innovation to the productivity game. In every weight category, Doosan leads the industry with a superior body capacity. It's designed to work in tough conditions and travel over 34 miles per hour. With its sure-footed traction in rough terrain and its quick-unloading tailgate, the Doosan ADT lineup delivers more, any way you look at it.

Maximum ground contact gives you big advantages. Our exclusive ADT innovations give you excellent driving stability, equal weight distribution and superior traction along with additional load capacity, superior power and better productivity.



Turning ring placement in front of the articulation point provides equal weight distribution to the front wheels at all times.

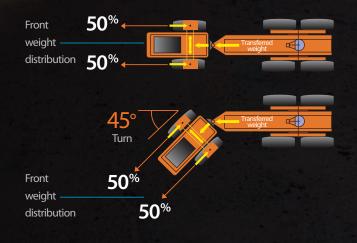


Innovative Front-Mounted Turning Ring

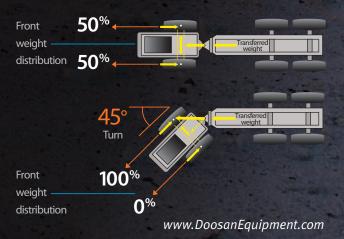
One of the most innovative features in the Doosan ADT design is the location of the turning ring in relation to the articulation point. Most manufacturers put the turning ring behind the point of articulation. This, along with a 100% differential lock, can cause steering difficulties that slow you down. Doosan does it differently: we place the turning ring in front of the articulation point.

This design ensures equal weight distribution to the front wheels in all operating situations. It also enables you to use the differential with only 45% locking value to maintain drive to both front wheels and optimize maneuverability without locking them up.

DOOSAN ADT



COMPETITORS' ADT



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DOOSAN DELIVERS Productivity



(SCR)

In the SCR catalyst canister, nitrogen oxide

(NOx) mixes with ammonia (NH3) and a

chemical reaction takes place, resulting

in nitrogen (N) and water (H2O) emitting

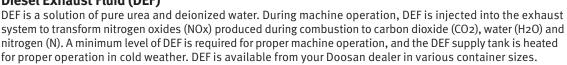
Interim Tier 4 (iT4) Compliant

Optimized to provide the ultimate in power delivery and fuel economy, Doosan Articulated Dump Trucks feature iT4 compliant engines to reduce air pollution.

Hydrolysis Catalyst (Step 1)

In the hydrolysis catalyst canister, diesel exhaust fluid solution mixes with hot exhaust gases, breaking it down into urea and water vapor (H2O), which then catalyzes into carbon dioxide (CO2) and ammonia (NH3).

Diesel Exhaust Fluid (DEF)



from the system.

SCR Catalyst (Step 2)

(Hydrolysis)

(DEF Tank)

Unique Sloping Frame for Better Weight Distribution

Some brands use rigid axles which lose traction and have a rougher ride. The Doosan frame is sloped downward from the hinge points to provide equal weight distribution on all axles when the truck is fully loaded. This provides a lower center of gravity along with superior stability and tractive effort – not to mention better tire wear.

Front Wheel Suspension

The unique independent front suspension allows free movement of one side, keeping the front wheels in contact with the ground for excellent traction and shock absorption.

Free-Swinging Rear Tandem Bogie Suspension

The Doosan ADT's free-swinging rear tandem bogie and special articulation system offer excellent performance and the best possible ground contact in soft and uneven terrain for maximum productivity. It also allows easy loading of the truck in almost all positions and applications.

Downhill Speed Modulation

Move the accelerator pedal up or down to control downhill braking and easily manage travel speed.





Competitors' ADT



Center of Gravity Adjustment

This feature reacts to sticky material in the body during dumping. If the material starts pulling the hoist cylinders backward, the dumping speed is automatically slowed to allow uniform dumping flow and to minimize unstable conditions.



: Shows position of the Gravity Point (GP) when hydraulic flow will be reduced .

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DOOSAN DELIVERS Productivity

SEE HOW IT FEELS TO PERFORM TO YOUR FULL POTENTIAL.

The Doosan Articulated Dump Truck (ADT), with its unique forward-mounted turning ring, sloping rear frame and freeswinging tandem bogie, has maneuverability that's hard to match and performance that can't be beat. It all comes down to more contact with the ground, better traction, use of power and faster work with better results.

Single Driveline

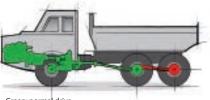
The single driveline provides a power split of one-third to the front and twothirds to the rear, which delivers the optimal balance of power and weight distribution. In slippery conditions, one easy-to-lock longitudinal differential provides equal power to the front and back for the best traction.

With the DA40'S state-of-the-art, limited-slip differentials in the front and rear, and a lockable rear differential on the DA30, Doosan ADTs always deliver best-in-class traction.



Planetary Interaxle Rear differential reduction differential

Competitor Driveline



Green: normal drive Red: 6-wheel drive with wind-up

gears





One Rear Differential Provides Unique Benefits

One rear differential allows Doosan ADTs to use free-swinging rear tandem housings on the rear axle. This enables maximum ground contact and eliminates driveline windup that occurs with the two-reardifferential design found on machines from other manufacturers.

Optional High-Floatation Tires

Wide flotation tires are available as an option for jobs requiring low ground bearing pressure.

Unique Front-Mounted Differential

Since the front differential is bolted to the front of the transmission, the total length of the truck is reduced. This design brings better weight distribution and a smaller

turning radius. That's an important advantage in confined areas.



Wet Disc Brakes for Each Wheel

The oil-cooled wet disc brakes on all six wheels provide excellent braking performance.



DOOSAN DELIVERS Operator Comfort

OPERATE IN COMFORT AND SIMPLICITY.

The operator's cab meets both Roll Over Protective Structure (ROPS) and Falling Object Protective (FOPS) criteria. The cab is also equipped with heating and air-conditioning, plus a high quality air-suspension seat with a seat belt to provide excellent comfort. Precise steering, good visibility and low noise levels provide a productive and comfortable cab environment for the operator.



Touch Pad

- Reduced retarder force (affects both retarder and engine exhaust brake)
- Diesel fuel heater ON/OFF
- Interaxle differential lock
- Override button
- Heated seat ON/OFF
- Cab roof and mirror arm front lights ON/OFF
- Rotating beacon ON/OFF

Best-in-Class Operator Environment

From quiet engines to the roomy, enclosed cab, Doosan Articulated Dump Trucks (ADTs) provide exceptional operator comfort with low cab vibration and noise levels. The sloping hood gives the operator an excellent view. The cab is mounted on a special rubber suspension in order to reduce vibration and noise transfer into the cab.



"Tip-Tronic" Gearshift

This feature enables the operator to run the truck in both automatic and manual gears to ensure the smoothest possible shifting and momentum while operating the truck.

Excellent All-Around Visibility

The central operator position and the sloping hood provide an open view to the front and sides. The heated wide-angle mirrors provide visibility to the sides and rear of the ADT even in cold weather.



LCD Color Monitor Panel

- 7 in. color display,
 - resolution 800 x 480 pixels
- Displays all necessary driving and handling information
- Rear view camera image in instrumentation graphics
- Backlight dimming according to ambient light conditions
- Sub menus for additional and diagnostic functions



Heat and Air Conditioning

Body Hoist Lever

Easy to operate and fingertip-controlled, the electronically managed hoist lever incorporates a faster body-up speed with automatic, soft-touch body-down, giving you superb control over machine functions and quick performance.



Hot / Cool Box (optional)



Air Suspension Seat



Tiltable and Telescopic Steering



Standard Rearview Camera The rearview camera provides an additional means to view the machine's surroundings, allowing for increased productivity.



DOOSAN DELIVERS Durability

THE TOUGHEST TRUCKS AROUND

Axles

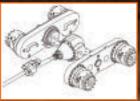
Doosan ADTs are among the most reliable dump trucks in the industry thanks to our long history of using reliable and proven components and manufacturing processes

Best Manufacturing, Best Components With in-house control of all machining and robotic welding, Doosan maximizes the durability of all its assemblies. Doosan ADTs use proven, specifically designed engine and transmission components tested not only by our suppliers, but by Doosan itself.

One Rear Differential

As there is only one rear differential on Doosan ADTs, the driveline delivers more power with

fewer parts.



DOOSAN

Turning ring



Driveline Durability A single driveline delivers the optimal power split of one-third to the front and two-thirds to the rear. Some brands use two rear differentials connected by an interaxle drive-through system. This type of design is subject to damage from the outside, loss of power and premature wear.

Heavy-Duty Brakes

Dry disc brakes are open and exposed to dirt and water. The wet brakes on Doosan ADTs are not affected by these conditions because they are fully encased in oil. Wet disc brakes last longer, have fewer service intervals, and are especially useful in extreme conditions such as in deep mud and water.

Air-cooled front disc brakes on the DA30 do not require forced cooling like most competitor designs.



DOOSAN DELIVERS Easy Maintenance

DOOSAN MAKES MAINTENANCE SIMPLE. Even the best equipment needs regular maintenance. If you want a long-lasting machine and a minimum of effort to get it, Doosan delivers everything you need: onboard diagnostic systems, easy component access plus a standard fleet management system.



The hood has a wide opening (up to 83°) for easy access to the engine



Easy maintenance

Tilting cab allows easy access to the transmission and hydraulic components

Doosan Telematics (GPS)

DOOSAN

DA 4C

A simple user interface, accessible online via a web-enabled computer or cell phone, provides location information and a full range of machine operational information to you, your dealer and Doosan, allowing a complete machine maintenance management strategy to reduce operating costs.

> Electrical and AC connections are at the rear of the cab, allowing for tilting of the cab without disconnecting



Automatic central lubrication system With the Vehicle Control Unit (VCU), grease is only pumped at specified intervals when truck is in motion.

DOOSAN DELIVERS Unique design

Day in and day out, in the toughest conditions imaginable, DOOSAN articulated dump trucks keep coming back for more, often working extensive hours without an engine overhaul. And because durability should never require a sacrifice in ease-of-use or comfort, a fully automatic transmission and smooth gear-shifting allow the operator to concentrate

on the work at hand.

DOOSAN Articulated Dump Trucks have permanent 6-wheel drive for equal power distribution while the free-swinging rear tandem bogie and the special articulation system offer excellent driving performance. The articulation hinge is positioned behind the turning ring to ensure equal weight distribution. The sloping rear frame provides a lower center of gravity and improves the overall stability of the truck, ensuring fast and easy tipping of the body for increased productivity in even the most demanding conditions.

A superior design

Multiple Wet Disc Brakes Rear Axle Housing Rear Axle Differential Gear-Drive, Free Swinging Tandem Housing Parking Brake Articulation Hinge Sloping Rear Frame



Heated Body



Fast Fill



Quarry Tires (optional)



High Flotation Tires (optional)

Standard/Optional Equipment

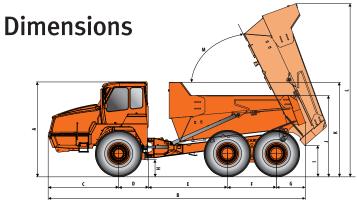
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Front Window with Wiper/Washer•Tinted Sarby Glass••Retractable Role Sumblind••Adjustable Sliding Side Door Window••Defrost••Lockable Doors••Seat-•- Air Suppension-•- 2' (St mm) Seat Bett Adjustable Recline••- Interior Rear View••- Interior Rear View••- Interior Rear View••- Interior Rear View••- Storior••Mirrors, Heated Exterior••Multi-Function LCD Display••Cigarette lighter••Artenna••Space for cooler box••Storage••Storage••Power Socket, 12V••Beverage Holder••Interior Light••Guard, Rear Window••Cortrots••Adjustable Steering Column•<	ROPS (ISO 3471)	•	•
Tinted Safety Glass••Retractable Roller Sumblind••Adjustable Sliding Side Door Window••Defrost••Lockable Doors••Sat••* All Suppention*•* All Suppention*•* All Suppention*•* All Suppention*•* All Suppention*•* All Suppention*•* Adjustable Recine*•* Adjustable Recine*•* Adjustable Recine*•* Adjustable Recine*•* Adjustable Recine*•* Adjustable Recine*•* Adjustable Arm Rests*•Storage for Operator's Manuals*•Mirror, Reat View*•* Instruction Start View*•* Exterior**Multi-function LCD Display*•Clagattel lighter*•MyFM Stero with CD Player & MP3 port*•Space for cooler box*••Storage**•Power Socket, 12V**•Beverage Holder**•Iterior Light***Courable Steering Column****************** </td <td>FOPS (ISO 3449)</td> <td>•</td> <td>•</td>	FOPS (ISO 3449)	•	•
Retractable Roller Sunblind•Adjustable Silding Side Door Window•Defrost•Lockable Doors•Cockable Doors•Seat•- Arl Suspension-2" (ST mm) Seat Bett- Adjustable Recline- Adjustable Fore/Art- Adjustable Fore/Art•- Adjustable Arm Rests•Storage for Operator's Manuals•Mirrors•- Exterior•Mirror, Heated Exterior•Fully Adjustable HVAC•Multi-Auction LCD Display•Cigarette lighter•Antenna•Storage•Power Socket, 12V•Beverage Holder•Interior Light•Guard, Rear Window•Cabi tiling system••••••••••••••••••••••••••••••• </td <td>Front Window with Wiper/Washer</td> <td>•</td> <td>•</td>	Front Window with Wiper/Washer	•	•
Adjustable Sliding Side Door Window•Defrost•Lockable Doors•Seat Air Suspension 2" (St mm) Seat Belt Adjustable Recine Adjustable Recine Adjustable Recine Adjustable Recine Adjustable Recine Adjustable Recine Adjustable Arekats-Storage for Doperator's Manuals•Mirrors Interior Rear View Storage for Doperator's Manuals-Mirrors-Mirrors Reat Guerton-Multi-function LCD Display-Cigarette lighter-Adylfable HVAC-Multi-function LCD Display-Storage-Speakers [2]-Antenna-Space for cooler box-Storage-Storage-Power Socket, 12V-Beverage Holder-Interior Light-Cottrols-Adjustable Steering Column Titing Titing Speedometer Engeine Colont Temperature Transmission Oll Temperature Transmission Oll Temperature Cushion, Retracting <t< td=""><td>Tinted Safety Glass</td><td>•</td><td>•</td></t<>	Tinted Safety Glass	•	•
Defrost•Lockable Doors•Seat•- Al Suspension•- Al Suspension•- Al Vision Sat Beit•- Adjustable Recline•- Adjustable Recline•- Adjustable Recline•- Adjustable Recline•- Adjustable Arm Rests•Storage for Operator's Manuals•Mirrors•Storage for Operator's Manuals•Mirrors•••Storage for Operator's Manuals•Mirror, Heated Exterior•Fully Adjustable HVAC•Muhti-Function CDD Display•Outserver Mith Delyer & MP3 port•Speakers (2)•Antenna•Storage•Power Socket, 12V•Beverage Holder•Interior Light•Cuard, Rear Window•Caurd, Rear Window•Caurd, Rear Window•Caurd, Rear Window•Column•- Elescoping•- Telescoping•- Telescoping•- Telescoping•- Custoin Rear•- Speedometer•- Speedometer•- Engine Colant Temperature•- Engine Colant Temperature•- Transmission Oll Temperature•- Speedometer Frame•- Speedometer Frame•- Speedometer Frame•- Sp	Retractable Roller Sunblind	•	•
Lockable Doors••Seat Air Suspension - 2" (St mm) Seat Bett - Adjustable Height - Adjustable Recline - Adjustable Fore/Art - Interior Rear View - Exterior••Storage for Operator's Manuals Mirrors - Interior Rear View - Exterior•••Mirrors - Interior Rear View - Exterior•••Multi-function LCD Display Cligarette lighter Space for cooler box•••Storage Bower Socket, 12V Beverage Holder••••Interior Light Guard, Rear Window - Cabiling system••••Controls Adjustable Steering Column - Titing - Englise Colant Temperature - Englise Colont Temp	Adjustable Sliding Side Door Window	•	•
Seat - Air Supension - 2" (St mm) Seat Belt - Air Stable Height - Adjustable Recline - Adjustable Recline - Adjustable Recline - Adjustable Recline - 0 - Adjustable Arm Rests - 0 - 0 Storage for Operator's Manuals - 0 - 0 Mirrors - 1 - 0 - 0 Mirror Factor Seat, folding - 0 - 0 - 0 Mirror, Heated Exterior - 0 - 0 - 0 Multi-Function LCD Display - 0 - 0 - 0 Valuti-function LCD Display - 0 - 0 - 0 Speakers (2) - 0 - 0 - 0 - 0 Antenna - 0 <	Defrost	•	•
- Ar Suspension - 2" (S1 mm Seat Belt - Adjustable Regine - Adjustable Regine - Adjustable Fore/Aft - Adjustable Fore/Aft - Adjustable Fore/Aft - Adjustable Fore/Aft - Adjustable Profe Manuals Storage for Operator's Manuals Mirrors - Interior Rear View - Interior Stable FNAC Multi-Function LCD Display Cigarette lighter Adv/FM Steree with CD Player & MP3 port Speakers (2) Antenna Speakers (2) Antenna Speakers (2) Antenna Speakers (2) Antenna Speakers (2) Antenna Storage Power Socket, 12V Beverage Holder Interior Light Court Hold Storage Rear Window Cab tilting system CONTROLS Adjustable Steering Column - Tilting - Telescoping - RPM - Speedometer - Engine Colonant Temperature - Rear SUSPENSION Articulation Hinge Steering Colume - Acting (2) - Cushion, Retracting - Cushion Rear - Cushion - Cushion - Cushion	Lockable Doors	•	•
Seat - HeatedImage: Storage for Operator's ManualsImage: Storage for Operator's ManualsImage: Storage for Operator's ManualsNitros- Interior Rear View Interior Rear View ExteriorImage: Storage for Operator's ManualsFully Adjustable HVACImage: Storage for Operator's ManualsImage: Storage for Operator's Manuals-Multi-Function LCD DisplayImage: Storage for Cooler boxCigarette lighterImage: Storage for Cooler boxAntennaImage: Storage for Cooler boxStorageImage: Storage for Cooler boxStorage for Cooler boxImage: Storage for Cooler boxStorage for Cooler boxImage: Storage for Cooler boxStorage for Cooler boxImage: Storage for Cooler box	- Air Suspension - 2" (51 mm) Seat Beit - Adjustable Height - Adjustable Recline - Adjustable Fore/Aft	•	•
Instructors Seat, folding•Storage for Operator's Manuals•Mirrors-Interior Rear View- Exterior•Mirror, Heated Exterior•Fully Adjustable HVAC•Multi-Function LCD Display•Cigarette lighter•AM/FM Stereo with CD Player & MP3 port•Speakers (2)•Antenna•Storage•Power Socket, 12V•Beverage Holder•Interior Light•Guard, Rear Window•Cabliting system•Controls•Adjustable Steering Column•- Tilting•- Telescoping•- RPM•- Speedometer•- Transmission Oil Temperature•FRAME & SUSPENSION•FRAME & SUSPENSION•Storage Column - Column, Column - Column•- Transmission Oil Temperature•- Transmission Oil Temperature•- Transmission Oil Temperature•- Constrols•Steering Cylinder, Double-Acting (2)•- Cushino, Retracting•- Cushino, Retracting•- Cushino, Retracting•- Semi-Independent rubber spring & shock absorbers (Front)•Semi-Independent gas-hydraulic (Front)•Tires - Radial, 23.5 R25•			
Storage for Operator's Manuals•Mirrors - Interior Rear View - Exterior•- Interior Rear View - Exterior•Fully Adjustable HVAC•Miltri-Function LCD Display•Cigarette lighter•AM/FM Stereo with CD Player & MP3 port•Speakers (2)•Antenna•Space for cooler box•Storage•Power Socket, 12V•Beverage Holder•Interior Light•Guard, Rear Window•Cab tilting system•Controls•Adjustable Steering Column - Tilting - Trelescopting•- RPM••- Speedometer•- Transission Oil Temperature•FRAME & SUSPENSION Articulation Hinge•Steering Cylinder, Double-Acting (2) - Cushing, Forward-Mounted•Towing Hook, Front and Rear Sloping Rear Frame•Steering Cylinder, Double-Acting (2) - Cushing, Rear King Rear - Controls•Steering Cylinder, Double-Acting (2) - Cushing, Rear King•Steering Cylinder, Double-Acting (2) - Cushing, Rear Frame•Steering Cylinder, Steering Cylinder, Mounted•Towing Hook		•	•
Interior Rear View•- Exterior•Wirror, Heated Exterior•Fully Adjustable HVAC•Multi-Function LCD Display•Cigaretta lighter•AM/FM Stereo with CD Player & MP3 port•Speakers (2)•Antenna•Space for cooler box•Storage•Power Socket, 12V•Beverage Holder•Interior Light•Guard, Rear Window•Cab tilting system•CONTROLS•Adjustable Steering Column - Tilting•- Transmission Oil Temperature FRAME & SUSPENSION•Artculation Hinge•Steraing Chulter, Frame - Cushion, Retracting•Steraing Vinder, Forum - Speedometer•- Transmission Oil Temperature - Cushion, Retracting•Steraing Vinder, Double-Acting (2) - Cushion, Retracting•Steraing Chulter, Forum - Semi-Independent rubber spring & shock absorbers (Front)•Semi-Independent ruber spring & shock absorbers (Front)•Fires - Radial, 23.5 R25••		•	•
Mirror, Heated ExteriorImage: Constraint of the second	Mirrors - Interior Rear View	•	•
Fully Adjustable HVAC•Multi-Function LCD Display•Cigarette lighter•AM/FM Stereo with CD Player & MP3 port•Speakers (2)•Antenna•Space for cooler box•Storage•Power Socket, 12V•Beverage Holder•Interior Light•Guard, Rear Window•Cab tilting system•CONTROLS•Adjustable Steering Column•- Tilting•- Telescoping•- RAPM•- Speedometer•- Transmission Oil Temperature•FRAME & SUSPENSION•Articulation Hinge•Steering Cylunder, Forund Aduetad•Steering Childer Aduetad•Steering Childer Aduetad•- Transmission Oil Temperature•Steering Childer Aduetad•Steering Childer Aduetad•Steering Childer Aduetad•- Cushion, Retracting•- Steering Childer Aduetad•- Turring Ring, Forward-Mounted•Towing Hook, Front and Rear•Sloping Rear Frame•Semi-Independent rubber spring & shock absorbers (Front)•<		-	-
Multi-Function LCD Display • Cigarette lighter • AM/FM Steree with CD Player & MP3 port • Speakers (2) • Antenna • Space for cooler box • Storage • Power Socket, 12V • Beverage Holder • Interior Light • Guard, Rear Window • Cab tilting system • Controls • Adjustable Steering Column • - Tilting • - Telescoping • - Speedometer • - Transmission Oil Temperature • FRAME & SUSPENSION • Articulation Hinge • Steering Cylinder, Double-Acting (2) • - Custing, Forward-Mounted • Towing Hook, Front and Rear • Sloping Rear Frame • Semi-Independent ruber spring & shock absorbers (Front) • Semi-Independent gas-hydraulic (Front) • Tires - Radial, 23.5 R25 •			
Cigarette lighter•AM/FM Stereo with CD Player & MP3 port•Speakers (2)•Antenna•Space for cooler box•Storage•Power Socket, 12V•Beverage Holder•Interior Light•Guard, Rear Window•Controls•Adjustable Steering Column•Tilting•- RPM•- Speedometer•- RPM•- Speedometer•- Transmission Oil Temperature•- Transmission Oil Temperature•- Transmission Oil Temperature•Steering Cylinder, Double-Acting (2)•- Curving Ring, Froward-Mounted•Towing Hook, Front and Rear•Sloping Rear Frame•Semi-Independent rubber spring & shock absorbers (Front)•Semi-Independent gas-hydraulic (Front)-Tires - Radial, 23.5 R25•			
AM/FM Stereo with CD Player & MP3 port•Speakers (2)••Antenna••Space for cooler box••Storage••Power Socket, 12V••Beverage Holder••Interior Light••Guard, Rear Window••Controls••Adjustable Steering Column••- Tilting••- Speedometer••- Speedometer••- Transmission Oil Temperature••- Training Cylinder, Double-Acting (2) - Cushion, Retracting••Steering Cylinder, Double-Acting (2) - Cushion, Retracting••Steering Cylinder, Double-Acting (2) - Cushion, Retracting••Storing Rear Frame•••Sloping Rear Frame•••Storing Rear Frame•••Steering Cylinder, Double-Acting (2) - Cushion, Retracting••Turning Ring, Forward-Mounted•••Towing Hook, Front and Rear•••Sloping Rear Frame•••Semi-Independent rubber spring & shock absorbers (Front)••Tires - Radial, 23.5 R25•••		•	•
Speakers (2)•Antenna•Space for cooler box•Space for cooler box•Storage•Power Socket, 12V•Beverage Holder•Interior Light•Guard, Rear Window•Controols•Adjustable Steering Column - Tilting - Telescoping•••<		•	•
Antenna•Space for cooler box•Storage•Power Socket, 12V•Beverage Holder•Interior Light•Guard, Rear Window•Cab tilting system•CONTROLS•Adjustable Steering Column - Tilting - Telescoping•- RPM•- Speedometer•- Insmission Oil Temperature•- Transmission Oil Temperature•- Transmission Oil Temperature•- Articulation Hinge•Steering Cylinder, Double-Acting (2) - Cushion, Retracting•Towing Hook, Front and Rear Sloping Rear Frame Sloping Rear Frame Sloping Rear Frame Semi-Independent rubber spring & shock absorbers (Front)•Semi-Independent gas-hydraulic (Front)-•Tires - Radial, 23.5 R25•-		•	
Space for cooler box • Storage • Power Socket, 12V • Beverage Holder • Interior Light • Guard, Rear Window • Cab tilting system • CONTROLS • Adjustable Steering Column • • Tilting • • Telescoping • • Speedometer • • Engine Coolant Temperature • • Transmission Oil Temperature • FRAME & SUSPENSION • Articulation Hinge • Steering Cylinder, Double-Acting (2) • • Curving Ring, Forward-Mounted • Towing Hook, Front and Rear • Sloping Rear Frame • Semi-Independent rubber spring & shock absorbers (Front) • Semi-Independent gas-hydraulic (Front) •			
Storage•Power Socket, 12V•Beverage Holder•Interior Light•Guard, Rear Window•Cab tilting system•CohrrRoLS•Adjustable Steering Column•- Tilting•- Telescoping•- RPM•- Speedometer•- Engine Coolant Temperature•- Transmission Oil Temperature•- Cushion, Retracting Qillone, Pouble-Acting (2)•- Cushion, Retracting•Steering Cylinder, Double-Acting (2)•- Cushion, Retracting•Steering Hook, Front and Rear•Sloping Rear Frame•Semi-Independent ruber spring & shock absorbers (Front)•Semi-Independent gas-hydraulic (Front)•Tires - Radial, 23.5 R25•			
Power Socket, 12V • Beverage Holder • Interior Light • Guard, Rear Window • Gab tilting system • CONTROLS • Adjustable Steering Column • - Tilting • - Transmission Dil Temperature • - Transmission Dil Temperature • - Cushion, Retracting Q2 • Steering Cylinder, Double-Acting (2) • - Cushion, Retracting • Steering Hook, Front and Rear • Sloping Rear Frame • Semi-Independent rubber spring & shock absorbers (Front) • Semi-Independent gas-hydraulic (Front) • Tires - Radial, 23.5 R25 •		•	•
Beverage Holder • Interior Light • Guard, Rear Window • Cab titting system • CoNTROLS • Adjustable Steering Column • - Titling • - Telescoping • - RPM • - Speedometer • - Inamission Oil Temperature • - Transmission Oil Temperature • - Steering Cylinder, Double-Acting (2) • - Cushion, Retracting • Turning Ring, Forward-Mounted • Towing Hook, Front and Rear • Sloping Rear Frame • Semi-Independent ruber spring & shock absorbers (Front) • Semi-Independent gas-hydraulic (Front) -			
Interior Light • • • • • • • • • • • • • • • • • • •			
Guard, Rear Window • Cab tilting system • CONTROLS • Adjustable Steering Column • - Tilting • - Telescoping • - Speedometer • - Engine Coolant Temperature • - Transmission Oil Temperature • FRAME & SUSPENSION • Turning Ring, Forward-Mounted • Steering Cylinder, Double-Acting (2) • - Cushion, Retracting • Towing Hook, Front and Rear • Sloping Rear Frame • Semi-Independent rubber spring & shock absorbers (Front) • Semi-Independent tigas-hydraulic (Front) - Tires - Radial, 23.5 R25 • -			
Cab tilling system • • CONTROLS Adjustable Steering Column • - Tilling • • - Tolescoping • • - RPM • • - Speedometer • • - Transmission Oil Temperature • • - Transmission Oil Temperature • • FRAME & SUSPENSION • • Articulation Hinge • • Steering Cylinder, Double-Acting (2) • • - Cushion, Retracting • • Turning Ring, Forward-Mounted • • Towing Hook, Front and Rear • • Sloping Rear Frame • • Semi-Independent rubber spring & shock absorbers (Front) • • Semi-Independent gas-hydraulic (Front) • • Tirres - Radial, 23.5 R25 • •			
CONTROLS			
Adjustable Steering Column - Tilting - Telescoping • • - Telescoping • • - RPM • • - Speedometer • • - Engine Coolant Temperature • • - Transmission Oil Temperature • • FRAME & SUSPENSION • • Articulation Hinge • • Steering Cylinder, Double-Acting (2) - Cushion, Retracting • • Turning Ring, Forward-Mounted • • Towing Hook, Front and Rear • • Sloping Rear Frame • • Semi-Independent rubber spring & shock absorbers (Front) • • Semi-Independent gas-hydraulic (Front) - • Tires - Radial, 23.5 R25 • -			
- RPM • - Speedometer • - Engine Coolant Temperature • - Transmission Oil Temperature • FRAME & SUSPENSION • Articulation Hinge • Steering Cylinder, Double-Acting (2) • - Cushion, Retracting • Turning Ring, Forward-Mounted • Towing Hook, Front and Rear • Sloping Rear Frame • Semi-Independent rubber spring & shock absorbers (Front) • Semi-Independent tgas-hydraulic (Front) - Tirris - Radial, 23.5 R25 •	Adjustable Steering Column - Tilting	•	•
- Speedometer • - Engine Coolant Temperature • - Transmission Oil Temperature • - Transmission Oil Temperature • FRAME & SUSPENSION • Articulation Hinge • Steering Cylinder, Double-Acting (2) • - Cushion, Retracting • Torwing Hook, Front and Rear • Sloping Rear Frame • Semi-Independent rubber spring & shock absorbers (Front) • Semi-Independent gas-hydraulic (Front) - Tires - Radial, 23.5 R25 •			
- Engine Coolant Temperature • - Transmission Oil Temperature • - Transmission Oil Temperature • FRAME & SUSPENSION • Articulation Hinge • Steering Cylinder, Double-Acting (2) • - Cushion, Retracting • Turning Ring, Forward-Mounted • Towing Hook, Front and Rear • Sloping Rear Frame • Semi-Independent rubber spring & shock absorbers (Front) • Semi-Independent gas-hydraulic (Front) - Tires - Radial, 23.5 R25 •			
- Transmission Oil Temperature • FRAME & SUSPENSION - Articulation Hinge • Steering Cylinder, Double-Acting (2) • - Cushion, Retracting • Turning Ring, Forward-Mounted • Towing Hook, Front and Rear • Sloping Rear Frame • Semi-Independent rubber spring & shock absorbers (Front) • Semi-Independent gas-hydraulic (Front) - Tires - Radial, 23.5 R25 •	· · · · · · · · · · · · · · · · · · ·		
Articulation Hinge • Steering Cylinder, Double-Acting (2) • - Cushion, Retracting • Turning Ring, Forward-Mounted • Towing Hook, Front and Rear • Sloping Rear Frame • Semi-Independent rubber spring & shock absorbers (Front) • Semi-Independent gas-hydraulic (Front) - Tirres - Radial, 23.5 R25 •	- Transmission Oil Temperature		
Steering Cylinder, Double-Acting (2) • - Cushion, Retracting • - Turning Ring, Forward-Mounted • Towing Hook, Front and Rear • Sloping Rear Frame • Semi-Independent rubber spring & shock absorbers (Front) • Semi-Independent gas-hydraulic (Front) - Tires - Radial, 23.5 R25 •			
- Cushion, Retracting • Turning Ring, Forward-Mounted • Towing Hook, Front and Rear • Sloping Rear Frame • Semi-Independent rubber spring & shock absorbers (Front) • Semi-Independent gas-hydraulic (Front) • Tires - Radial, 23.5 R25 •		•	•
Turning Ring, Forward-Mounted • Towing Hook, Front and Rear • Sloping Rear Frame • Semi-Independent rubber spring & shock absorbers (Front) • Semi-Independent gas-hydraulic (Front) • Tirres - Radial, 23.5 R25 •	Steering Cylinder, Double-Acting (2) - Cushion, Retracting	•	•
Towing Hook, Front and Rear • Sloping Rear Frame • Semi-Independent rubber spring & shock absorbers (Front) • Semi-Independent gas-hydraulic (Front) - Tires - Radial, 23.5 R25 •		•	•
Sloping Rear Frame • Semi-Independent rubber spring & shock absorbers (Front) • Semi-Independent gas-hydraulic (Front) - Tires - Radial, 23.5 R25 •		•	•
Semi-Independent gas-hydraulic (Front) - • Tires - Radial, 23.5 R25 • -	Sloping Rear Frame	•	•
Tires - Radial, 23.5 R25 • -	Semi-Independent rubber spring & shock absorbers (Front)	•	-
	Semi-Independent gas-hydraulic (Front)	-	•
Tires - Radial, 29.5 R25 - •	Tires - Radial, 23.5 R25	•	-
	Tires - Radial, 29.5 R25	-	•

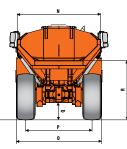
• Standard Equipment

Optional Equipment

– N/A

		- 11/74	
		DA30	DA40
		5,50	51110
DISPLAY MONITOR & WARNIN	GS		
- Fuel Level		•	•
Body Control Lever		•	•
Gear Selector Joystick		•	•
Throttle Pedal (accelerator)		•	•
Brake Pedal		•	•
Gauges			
- RPM	- DEF Level		
 Speedometer Engine Coolant Temperature 	- Transmission Gear Indicator - Hour Meter		
- Transmission Oil Temperature	- Fuel Consumption		
- Retarder Oil Temperature - Fuel Level	- Trip Meter		
 Warning & Indicator Lights Engine Coolant Level & Temp 	- Retarder Brake		
- Engine Oil Pressure	 Engine Brake Emergency Steering 		
- Air Filter - Transmission Oil Temp	- Lubrication System		
- Retarder Oil Temp	- Battery Charge - Error Code	•	•
- Fuel Level - DEF Level	- Seat Belt		
- DEF Level - Transmission Lock-Up	- Body Down		
- Transmission Mode	- Direction Signal		
	- Lights (High, Main, Work, Beacon)		
DRIVELINE			
Transmission			
- Automatic - Electronic Shift Control		•	•
- Torque Converter Lock-up Clutch			
Full-time 6x6 Drive		•	
Tandem Rear Bogey			
- Gear Driven		•	•
- Free-swinging			
Driveline Interaxle Differential			
- 1/3 Front, 2/3 Rear	-	•	•
- Torque Divider, 100% Locking Ra	.10		
Front Axle Transverse Differential - Limited-Slip, 45% Locking Ratio		•	•
	1		
Rear Axle Transverse Differential (- Limited-Slip, 45% Locking Ratio	L)	-	•
Rear Axle Transverse Differential (1)		
- Clutch-Engaged, Torque Depende	ent Locking Ratio	•	-
BODY			
Body, High Tensile HB400 Steel		•	•
Body (none)			
		-	-
Lifting Cylinder, Double-acting (2 - Cushion, Extending)	•	•
Tailgate, Scissor Type		•	•
			•
Tailgate (none)		-	-
Spill Guard on Front of Body		•	•
Body Heating Kit		•	•
Body Heating Ready		•	•
Body Lining Standard		-	•
Body Lining Full			
Side Extensions			
Payload Meter		•	
BRAKES			
Dual Circuit Braking System			
Hydraulic, Wet Multiple Discs (Ea		•	•
Spring Applied Hydraulic Release	Parking Brake (Driveshaft Mounted)	•	•
Automatic Engine Brake		•	•
Automatic Hydrodynamic Transn	ission Retarder	•	•
OTHER			
Automatic Lubrication System		•	•
Handrails		•	•
Skid-Resistant Steps		•	•
Body Lift Support		•	•
Fire Extinguisher			
First Aid Kit		•	•
Manuals			
- Operation & Maintenance		•	•
- Parts - AEM Safety Manual			
Telematics, 1 Year Subscription		•	•
			-
Vandalism Protection - Lockable Panels		•	•
- Lockable Fluid Fill points			
48 Hour Parts Guarantee		•	•
Speed Limitation			
Tool Kit			-
		-	-
Warning Triangle			
Fast Fill			•
Mud Flaps			







		UNIT	DA30	DA40	
HEIGHT, CABIN	A	in. (mm)	11' 8" (3560)	12' 8" (3850)	
LENGTH, OVERALL	В	in. (mm)	31' 4" (9558)	34' 9" (10590)	
OVERHANG, FRONT	С	in. (mm)	8' 7" (2650)	9' 1" (2775)	
ARTICULATION JOINT - FRONT AXLE	D	in. (mm)	3' 11" (1195)	4' 2" (1275)	
ARTICULATION JOINT - REAR AXLE	E	in. (mm)	9' 7" (2916)	10' 5" (3170)	
WHEELBASE, REAR TANDEM	F	in. (mm)	5' 10" (1768)	6' 5" (1960)	
OVERHANG, REAR	G	in. (mm)	3' 5" (1029)	4' 8" (1410)	
GROUND CLEARANCE, FRONT	н	in. (mm)	1' 11" (576)	2' 2" (652)	
BODY DUMP CLEARANCE	I	in. (mm)	2' 0" (610)	2' 6" (763)	
BODY LOADING CLEARANCE	J	in. (mm)	9' 8" (2946)	11' 0" (3355)	
BODY HEIGHT (LOWERED)	к	in. (mm)	11' 3" (3436)	12' 1" (3685)	
BODY HEIGHT (RAISED)	L	in. (mm)	19' 4" (5885)	21' 11" (6680)	
BODY DUMP ANGLE	М	٥	70	70	
BODY WIDTH	N	in. (mm)	9' 5" (2875)	11' 2" (3395)	
TIRE WIDTH	0	in. (mm)	9' 10" (2990)	11' 5" (3475)	
TREAD WIDTH	Р	in. (mm)	7' 9" (2370)	8' 10" (2690)	
GROUND CLEARANCE, REAR	Q	in. (mm)	1' 11" (576)	2' 4" (706)	
BODY FLOOR HEIGHT	R	in. (mm)	6' 11" (2100)	7' 10" (2390)	
TURNING RADIUS, INSIDE	S	in. (mm)	12' 9" (3890)	13' 6" (4120)	
TURNING CLEARANCE, OUTSIDE	т	in. (mm)	26' 4" (8030)	29' 1" (8850)	
ROAD WIDTH, MINIMUM (90° TURN)	U	in. (mm)	17' 4" (5280)	19' 6" (5930)	
TURNING RADIUS, OUTSIDE*	v	in. (mm)	25' 2" (7680)	27' 8" (8420)	
			*Turning radius according to ISO 7457		

Weight

		UNIT	DA30	DA40
WEIGHTS				
GROSS WEIGHT		lb. (kg)	113,318 (51,400)	158,292 (71,800)
NET WEIGHT		lb. (kg)	51,588 (23,400)	70,107 (31,800)
PAY LOAD		lb. (kg)	61,729 (28,000)	88,185 (40,000)
EMPTY	FRONT AXLE	lb. (kg)	26,235 (11,900)	31,967 (14,500)
EMPTY	REAR AXLE	lb. (kg)	25,353 (11,500)	38,140 (17,300)
LOADED	FRONT AXLE	lb. (kg)	36,597 (16,600)	49,070 (22,258)
LOADED	REAR AXLE	lb. (kg)	76,721 (34,800)	109,221 (49,542)
WEIGHT DISTRIBUTION, EMPTY	FRONT/REAR	%	51 / 49	48 / 52
WEIGHT DISTRIBUTION, LOADED	FRONT/REAR	%	31 / 69	31 / 69
			NOTE: All weights include a full tank and operator	
GROUND PRESSURES				
	FRONT AXLE	psi (bar)	15.0 (1.0)	12.8 (0.88)
EMPTY	REAR AXLE	psi (bar)	7.7 (0.53)	7.0 (0.48)
LOADED	FRONT AXLE	psi (bar)	20.5 (1.41)	18.9 (1.3)
LOADED	REAR AXLE	psi (bar)	23.5 (1.62)	22.0 (1.52)
			Measured with standard tires with 15% sinkage	
POWER (NET)TO WEIGHT RATIO				
EMPTY		hp/t (kW/t)	16.7 (11.45)	13.98 (11.32)
LOADED		hp/t (kW/t)	6.44 (5.2)	6.19 (5.01)

General

		UNIT	DA30	DA40
ENGINE				
MODEL			Scania DC9	Scania DC13
NUMBER OF CYLINDERS		INLINE	5	6
POWER RATING GROSS (HP per ISO 3046)		hp (kW) @ rpm	375 (276) @ 2100	500 (368) @2100
POWER RATING NET (HP per ISO 9249)		hp (kW) @ rpm	365 (268) @ 2100	490 (360) @ 2100
MAXIMUM TORQUE GROSS		ftlb. (Nm) @ rpm	1381 (1873) @ 1,300	1750 (2373) @ 1,300
PISTON DISPLACEMENT		in. ³ (L)	568 (9.3)	775 (12.7)
BORE AND STROKE		in. x in. (mm x mm)	5.0 x 5.5 (127 x 140)	5.1 x 6.3 (130 x 160)
STARTER		V, hp (Kw)	24, 7.5 (5.5)	24, 7.5 (5.5)
BATTERY		V, AH	2 x 12, 140	2 x 12, 225
ALTERNATOR		V, amp	24V, 100	24V, 100
AIR CLEANER		v, amp	Double Element, Dry	Double Element, Dry
HYDRAULICS				
MAIN PUMP		gpm (L/min)	80.6 (305)	80.6 (305)
RELIEF PRESSURE (MAIN)		psi (bar)	4061 (280)	4061 (280)
EMERGENCY STEER PUMP		gpm (L/min)	13.2 (50)	13.2 (50)
RELIEF PRESSURE (EMER. STEER)		psi (bar)	3046 (210)	3046 (210)
ENVIRONMENT		per (eer)		
SOUND LEVEL (per ISO6395)		dB(A)	108	107
CABIN SOUND LEVEL (per ISO 6394)		dB(A)	72	71
TRANSMISSION SPEEDS				
TRAVEL SPEED - FORWARD (8)		mph (km/h)	3.1 / 5.0 / 6.8 / 9.3 / 13.7 / 18.6 / 26.1 / 34.2 (5 / 8 / 11 / 15 / 22 / 30 / 42 / 55)	3.1 / 5.0 / 6.8 / 9.3 / 13.7 / 18.6 / 26.1 / 34.2 (5 / 8 / 11 / 15 / 22 / 30 / 42 / 55)
TRAVEL SPEED - REVERSE (4)		mph (km/h)	3.1 / 5.0 / 6.8 / 9.9 (5 / 8 / 11 / 16)	3.1 / 5.0 / 6.8 / 9.9 (5 / 8 / 11 / 16)
REFILL CAPACITIES				
FUEL TANK		gal. (L)	88.5 (335)	140 (530)
DIESEL EXHAUST FLUID TANK		gal. (L)	10 (38)	10 (38)
COOLING SYSTEM (RADIATOR)		gal. (L)	11.9 (45)	13.2 (50)
ENGINE OIL		gal. (L)	8.7 (33)	11.6 (44)
TRANSMISSION		gal. (L)	19.8 (75)	19.8 (75)
FRONT DIFFERENTIAL		gal. (L)	3.5 (13.2)	3.5 (13.2)
REAR DIFFERENTIAL		gal. (L)	4.2 (16)	12.2 (46)
FRONT HUB (2)		gal. (L)	2.9 (11)	2.0 (7.5)
TANDEM HOUSING		gal. (L)	12.7 (48)	37.0 (140)
HYDRAULIC TANK		gal. (L)	32.5 (123)	55.2 (209)
BODY				
BODY VOLUME (2:1)		yd³ (m³)	23.3 (17.8)	34 (26)
TIPPING TIME		seconds	Up: 10 / Down: 9	Up: 10 / Down: 10
LEVEL CAPACITY	WITH TAILGATE	yd ³ (m ³)	18.6 (14.2)	26.7 (20.4)
	WITHOUT TAILGATE	yd ³ (m ³)	17.8 (13.6)	25.6 (19.6)
HEAPED CAPACITY	WITH TAILGATE WITHOUT TAILGATE	yd ³ (m ³) yd ³ (m ³)	23.3 (17.8) 22 (16.8)	34 (26) 31.9 (24.4)
	WITHOUT TAILGATE	yu (III-)	22 (10.0)	51.5 (24.4)

Cylinders

		UNIT	DA30	DA40
HYDRAULIC CYLINDERS				
BODY TILT CYLINDERS (2)	BORE	in. (mm)	4.5 (115)	4.9 (125)
	STROKE	in. (mm)	90.2 (2290)	102.9 (2614)
STEERING (2)	BORE	in. (mm)	3.9 (100)	4.5 (115)
	STROKE	in. (mm)	20.3 (515)	21.7 (550)



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