

# DOOSAN®

▶ DOZER



## DD100

HP ENGINE: 122 hp (91 kw)  
OPERATING WEIGHT: 22,900 lbs. (10,400 kg) - 25,600 lbs. (11,600 kg)  
DRAWBAR PULL: 35,300 lbf. (16.0 tonf)

# Powered by Innovation

Doosan is one of the fastest-growing equipment brands in North America because we take the time to listen and understand our customers' challenges. We focus on building the durable, hard-working equipment you demand. We also work to anticipate tomorrow's challenges and develop innovative ways to help you manage projects more efficiently, work smarter and maintain equipment with less time and effort.

**AT DOOSAN**, we believe innovation can be a revolutionary technology, a timesaving equipment feature or simply a helpful suggestion from a Doosan dealer to solve an everyday problem. Our innovative approach is always based on you and what you need to compete and grow your business — today and in the future.



## LOCAL DEALERS

Our network of dealers continues to grow across North America. These knowledgeable teams are dedicated to your success by offering durable equipment, expert service, reliable parts and trusted advice.

## DURABLE EQUIPMENT

Doosan produces rugged equipment, including crawler and wheel excavators, mini excavators, wheel loaders, log loaders, material handlers, articulated dump trucks, attachments and now the dozer.

## AVAILABLE PARTS

With two Doosan-exclusive parts distribution centers in Georgia and Washington state, we offer more inventory and faster delivery — including less than two-day delivery on a majority of genuine Doosan® parts.

## INNOVATION

Doosan continues to introduce new innovations using digital technology to help you work smarter and more efficiently.

- + DoosanCONNECT® Telematics and machine monitoring delivers vital equipment data to help you impact productivity and profitability and alerts your dealer for more proactive service and support.
- + Concept-X, a world first for future jobsite operation, is a comprehensive control solution to survey worksite topography via 3D drone scanning, establish operational plans based on the topographical data, and operate construction equipment without human intervention. See videos of Concept-X in action at [na.DoosanEquipment.com](http://na.DoosanEquipment.com).



**DOOSAN**

# A BETTER DOZER HAS ARRIVED.

Doosan introduces a powerful new grading machine to join our durable lineup of tested construction equipment. The Doosan® dozer delivers superior horsepower and traction to push more material. Smart technologies and unbeatable visibility help operators of all skill levels achieve greater grading precision. A highly durable undercarriage stands up to rugged conditions and lowers maintenance costs.

## PRECISE GRADING PERFORMANCE

- + Optional 3D Machine Guidance/ Machine Control
- + Optional 2D Blade Assist Function

## MORE PUSHING POWER

- + Higher Horsepower
- + Heavier Machine
- + Superior Tractive Effort

## SUPERIOR VISIBILITY

- + Inline Precleaner
- + Minimized Cab Pillars
- + Narrow Front Nose
- + Maximum Glass Area
- + Standard Rearview Camera

## SMART TECHNOLOGIES

- + Fully Electrohydraulic Controls
- + Doosan Smart Touch Display
- + DoosanCONNECT® Telematics and Equipment Monitoring

## LOW MAINTENANCE

- + Unique Undercarriage Design with Dual and Single Flanges
- + Cab Tilt System for Convenient Access
- + Shared Doosan Excavator Parts
- + Track Guard Options



See specification details at [na.DoosanEquipment.com](http://na.DoosanEquipment.com).

# NEVER STOP PUSHING FOR MORE.

The new Doosan® dozer pushes the limits of what you can expect from a powerful earthmoving machine — with more horsepower, added machine weight and built-in efficiency features designed for today's toughest grading assignments.



## SUPERIOR PUSHING POWER

Compared to competitive dozers in this size class, the DD100 is designed to be heavier and has a higher horsepower. The result? You get more power to the ground and superior tractive effort that helps you push more material and maximize productivity.

Using the max forward and reverse speeds, you can quickly and easily move from one end of the jobsite to the other or reposition the machine — even in reverse. Which means you'll get more done.

## FUEL-EFFICIENT AND TIER 4-COMPLIANT

The powerful 122-hp (2200 rpm) Doosan® D34 diesel engine offers easy maintenance access points and does not require the use of a diesel particulate filter (DPF) to meet current emission standards. It's optimized for more power output with reduced fuel consumption and features a Tier 4-compliant diesel engine to reduce emission.



## FUEL EFFICIENCY FEATURES

To further improve fuel efficiency without sacrificing grading performance, select the **ECO mode** for light grading conditions and reduce daily fuel consumption up to 5%. The fuel-saving feature lowers the pump power output when working in lower tractive conditions.

To reduce noise, enable jobsite conversations and reduce fuel consumption, the **auto idle feature** idles the dozer engine automatically when machine functions are not used. Idle time can be set directly from the display monitor. Move the controls and the dozer will automatically return to your previous throttle setting.

The **auto shutdown feature** also saves fuel and helps lower warranty hours. When enabled, the engine shuts down after it has been idling for a specified amount of time. Default shutdown occurs after five minutes of idling, but can be set for longer periods using the Doosan Smart Touch display.

## BLADE FEATURES

The **6-way power-tilt angle blade** provides precision pushing capabilities to move and grade dirt, clay and other difficult material. Work more efficiently and reduce the number of passes on each job by lifting, tilting and angling the blade to move dirt exactly where it needs to go. A 2-way mechanical adjustment also allows you to adjust the blade pitch from 54 to 58 degrees to control how steeply it bites into the ground. *See page xx for details.*

For smooth back grading or fine finishing, select the **blade float function** to enable the blade to move up and down following the contours of the ground. When grading mucky, clay-like material, use the **blade shake button** to activate a shaking motion to quickly remove material stuck to the blade — without leaving the cab.



# ACHIEVE GREATER GRADING PRECISION.

Grading precision is critical but can be difficult if a dozer is difficult to operate. The Doosan® dozer delivers easy-to-use controls and advanced grading technologies that help operators of every skill level work efficiently and confidently.



## FULLY ELECTRONIC CONTROLS

The Doosan dozer was designed to meet the needs of operators of every skill level. Electrohydraulic controls are standard, making the machine easier to operate — even for inexperienced crew members. The ergonomically designed joystick offers low-effort control to help reduce operator fatigue.

The dozer cab layout and controls are similar or the same as Doosan -7 Series excavators and wheel loaders, making operators more productive as they move from machine to machine throughout the workday.

The user-friendly, multilingual **Doosan Smart Touch screen** — a standard feature — displays all important settings and information on one screen. From the easy-to-read touch screen, operators can monitor critical dozer functions and control machine settings, rearview camera, heating and cooling, radio, Bluetooth® wireless technology and more.



## 2D BLADE ASSIST FUNCTION

This optional 2D grading system makes precision grading easier for novice operators. The operator programs the needed inputs, and the machine controls blade functions — finishing the job faster and with better accuracy. No GPS or lasers required.



## 3D MACHINE GUIDANCE AND 3D MACHINE CONTROL

The Doosan dozer is 3D-grade-control-ready with Trimble components. All mounting brackets are designed into the machine and are bolt-on ready.

The optional 3D machine guidance and 3D machine control system uses GPS technology for greater grading accuracy and ease of operation.

- + The system reduces operator inputs by up to 80%, activating automatic blade movements based on GPS coordinates to more precisely meet the critical elevation and slope specifications required for a variety of grading tasks.
- + It allows operators to work more quickly, more accurately and with greater efficiency.

A **GPS monitor** is added when the dozer is equipped with the optional 3D grading system. It fits below the Doosan Smart Touch display and provides operators an enhanced view of the dozer on the jobsite — using information provided by sensors that are placed on the blade and body of the dozer.

# KEEP PUSHING IN COMFORT.

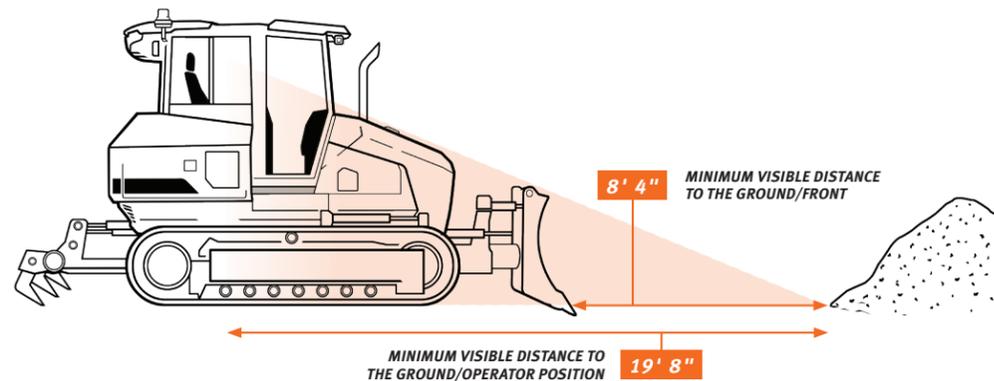
Doosan® dozers are designed with high-traffic jobsites, challenging work and long days in mind. Superior visibility and quiet, comfortable cabs help operators make the grade.



## NO DOZER OFFERS BETTER VISIBILITY

Visibility was a high priority in the design of the Doosan dozer.

- + The narrow design of the front nose hood makes it easier to see your work. The cooling system for the radiator/oil cooler module is hydraulically driven and located at the rear of the machine.
- + There's no pre-cleaner to obstruct the view of the blade — an inline pre-cleaner is hidden under the hood.



- + Front cab pillars are minimized and all-glass doors help provide maximum glass area.

- + Standard features include a **rearview camera**, four **high-illumination LED lights** and four premium, **smooth-glide wiper blades**.

See specification details at [na.DoosanEquipment.com](http://na.DoosanEquipment.com).

## COMFORT AND SAFETY FEATURES

The **heating and air conditioning system** helps keep operators stay comfortable in every season with multiple air vents in the front, rear and floor areas. Front and door glass defrost vents help improve visibility.

The cab's **suspension system** (CabSus mount) dampens vibrations and provides outstanding protection against impact. Driving shock improvements deliver a smoother ride, even when starting and stopping the dozer.

The **hands-free audio system** allows operators to choose AM/FM, pair and connect a Bluetooth® device, make and answer phone calls using hands-free mode and play audio from a USB device.

A variety of features can help improve the safety of operators on the job, including an automatic shutoff sensor that stops the machine if the operator stands up, a seatbelt warning alarm and a rotating beacon. The dozer meets the safety standards of ROPS (Roll Over Protective Structure) and FOPS (Falling Object Protective Structure) requirements.

# DOOSAN DURABILITY IN A DOZER.

Dozer work can be punishing on machine components. The Doosan® dozer is engineered to withstand the most rugged conditions and be easier to maintain — to keep you pushing ahead.



## EXCLUSIVE UNDERCARRIAGE DESIGN

Doosan developed a unique dozer undercarriage system to help lower the total cost of operation.

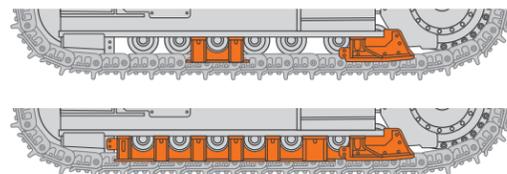
Both single- and dual-flange rollers are used for improved durability and long life.

- + Dual-flange rollers go outside the chain of the track, and single-flange rollers sit inside the chain of the track. The combination helps ensure that the track stays on the undercarriage, helping to reduce wear and providing greater operator comfort.

The DD100 offers convenient and cost-effective maintenance.

- + Areas of the undercarriage that naturally experience greater wear and tear are easy to access.

**Two track guard options** are available, general-purpose and full guard, for exceptional performance and uptime protection.



GENERAL PURPOSE GUARD

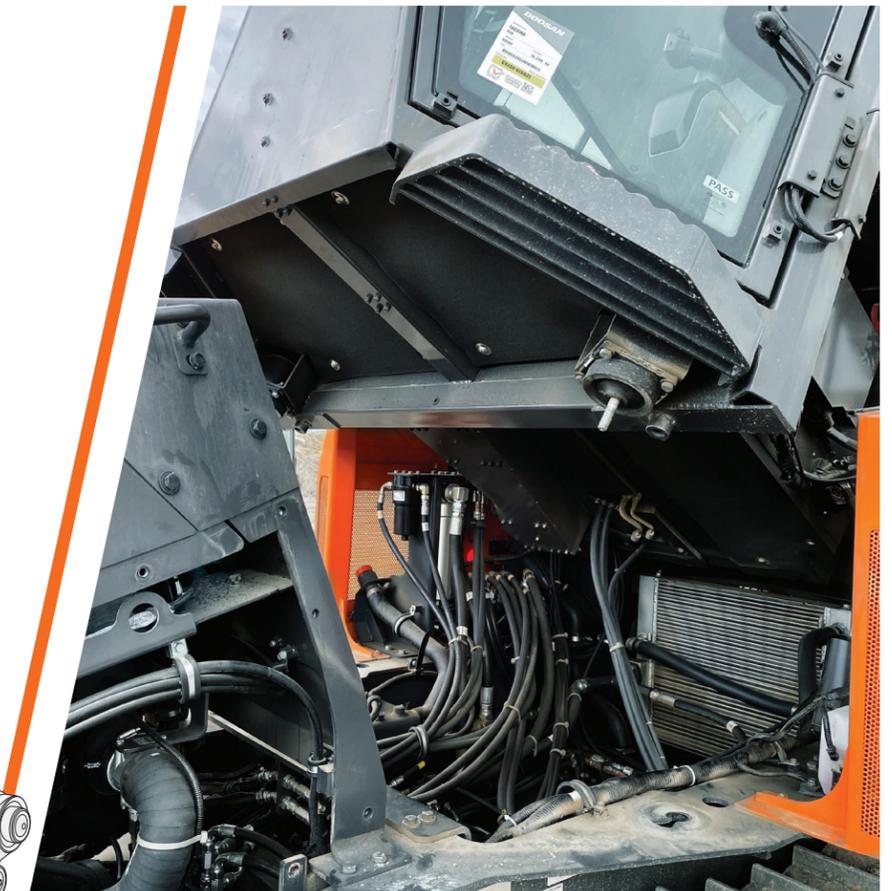
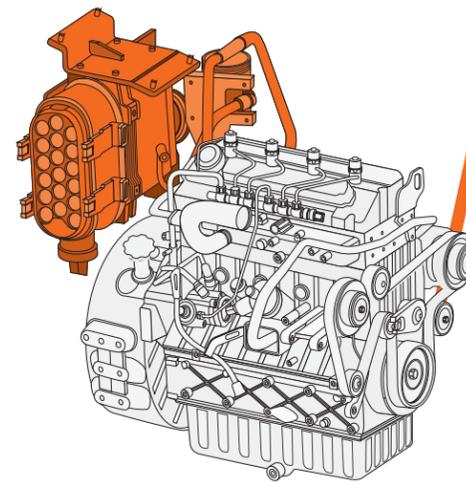
FULL GUARD

**Trackshoe options** are also available to help distribute the load to the ground, based on jobsite conditions.

- + Thinner tracks are used for rugged, rocky environments.
- + A low-ground pressure option is best for sandy soil conditions.

## EASY MAINTENANCE

Regular inspection points are easily accessible at ground level. When maintenance is needed, the dozer cabin tilts up to offer convenient access — there's no need to disassemble the cab to reach critical components.



## INTAKE SYSTEM

- + A high-efficiency, integrated precleaner helps improve filter life. Filters are lighter and smaller, so when it's time to replace them, it's quick and easy.
- + The standard in-line precleaner is integrated with the air cleaner and is more compact to fit in the smaller engine compartment.
- + Self-cleaning and maintenance-free, the system can expel all types of mixed debris, including mud, snow, rain, leaves, sawdust and chaff.

## FUEL SYSTEM

A filter-type high-performance water separator effectively captures moisture in the fuel, reducing impurities and helping minimize any fuel-related issues.

- + Standard pre-filters and dual main filters achieve a high degree of purity that minimizes fuel system failures.

## HYDRAULICALLY CONTROLLED COOLING SYSTEM

The system offers a reversible fan as a standard feature. Operators can set the fan to automatically reverse at a predetermined time interval.

- + The cooling system is located in the rear of the machine instead of in the front. This results in a smaller front engine compartment and improves visibility to the blade.

**DOOSAN**

**PROTECTION PLUS** Extended Warranty

**GREAT STANDARD WARRANTY**  
Full coverage for 12 months or 1,500 hours *and* powertrain and hydraulic coverage for 36 months or 5,000 hours with parts and service support from your local authorized dealer.

**INDUSTRY-LEADING EXTENDED WARRANTY**  
Our Protection Plus® extended warranty coverage offers more than 70 different plan options so you can customize coverage to meet your needs. This coverage protects from defects in materials or workmanship for up to 60 months or 7,500 hours, whichever comes first.

# MONITOR YOUR EQUIPMENT FROM ANYWHERE.

DoosanCONNECT® Telematics is a powerful equipment diagnostic tool that monitors the health, locations and productivity of your Doosan® equipment from a user-friendly mobile app and website.



**DOOSAN CONNECT**

- ✓ FREE MONITORING.
- ✓ NO CONTRACT.
- ✓ NO FEES.

**SCAN THE CODE**  
to learn more about how DoosanCONNECT can help you take care of your valuable Doosan equipment.

## WITH DOOSANCONNECT, YOU CAN:

- + Help prevent theft with geofencing feature (GPS location tracking).
- + See when maintenance is due.
- + Customize alerts to your schedule.
- + Track oil pressure, operating temperature and more.
- + Use data to train your team for maximum productivity.

The data is uploaded automatically to the DoosanCONNECT online system using dual-mode communications (cellular and satellite) for maximum coverage. You can check on machine status from anywhere using the DoosanCONNECT website and mobile application. Your dealer can also see your equipment status to notify you when it's time for service.

## SMART X-CARE

Let us do the work for you to help protect your equipment investment. Doosan Smart X-Care service gives you peace of mind knowing our experienced team is tracking your machine telematics and providing recommendations. **Talk to your dealer to learn more.**

# ATTACHMENTS

Dozer attachments bring added versatility to the job and are built to Doosan machine specifications for superior reliability and performance.



**PARALLEL RIPPER ATTACHMENT**  
The Doosan dozer includes piping for an optional ripper attachment, making it easy to add.  
  
The ripper attachment features parallel linkage that helps maintain a constant angle to the ground regardless of the height. The ripper attachment helps to quickly break up hard, rugged materials prior to grading.

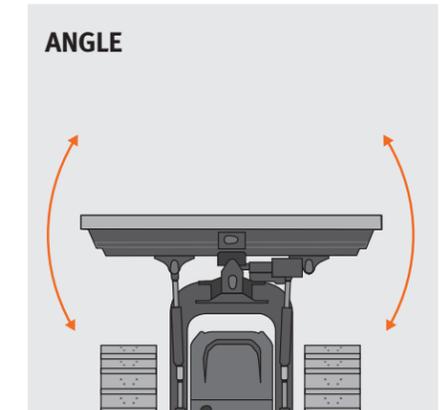
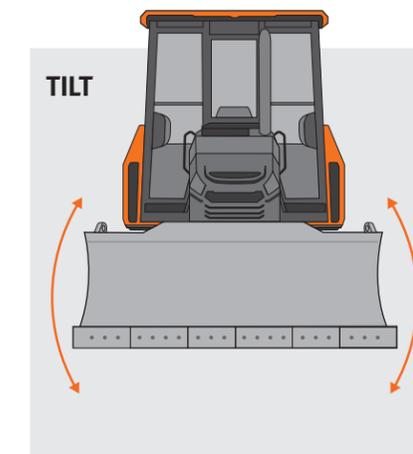
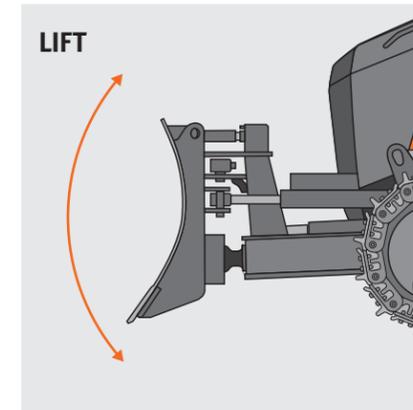


**TOWING DRAW BAR ATTACHMENT**  
Adding a towing draw bar attachment enables you to use your dozer for towing other equipment around the jobsite.



**TWO BLADE OPTIONS**  
Choose from a standard blade with a 2.9 cu. yd. capacity or a blade for a low-ground pressure configuration offering 3.4 cu. yd. capacity.

## BLADE TILT



See specification details at [na.DoosanEquipment.com](http://na.DoosanEquipment.com).

For more information, contact your local Doosan dealer or visit  
[na.DoosanEquipment.com/DOZER](http://na.DoosanEquipment.com/DOZER)

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