

## > We are DEVELON

We trace our roots to 1937 as one of Korea's first large scale machine plant. Throughout time we have consistently delivered exceptional products and solutions.

DEVELON is a bold name that reflects our core ambition to continue developing onwards and leaving behind a positive footprint in our world. Moving forward, we seek to be part of our customers and partners' endeavor to build a better world.

Powered by **Innovation**



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HDIPBE-01-2503

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[develon-ce.com](https://develon-ce.com)

# DEVELON

SD Wheel Loaders

## SD320A



Photos may include optional equipment



### **BRIGHT AND VERSATILE, WITH ACCELERATED PERFORMANCE**

- Reasonable match between transmission and torque converter fully play engine power enable the whole machine to deliver stronger traction.
- With 3,300mm wheelbase and 5,950mm turning radius, SD320A is specially designed for light materials. It enables greater agility and more efficient operation.

### **RELIABLE PARTNER WITH EFFICIENT PRODUCTIVITY**

- The advanced wheelbase and larger bucket than before will save your precious time.
- Our bucket became much bigger, and the breakout force improved significantly. Anyone can easily tell the difference and experience nice productivity.

### **WELL-APPOINTED INTERIOR AND WELL SECURED SAFETY**

- Noise reduction technology complying with international standards provides protection and boosts work efficiency.
- Newly designed cabin is spacious and provides wider view and enhanced comfort.

# **EXPERIENCE THE BEST PRODUCTIVITY FROM A LARGENESS**

**ALL THE NICE FEATURES OF PREVIOUS MODEL  
WAIT FOR YOU AND IT IS EVEN NICER.**





## RIGHT PERFORMANCE IN RIGHT PACE

### PERFECTLY MATCHED POWER TRAIN

Engine, transmission and axles are optimized and finely tuned for each other and produce powerful traction.

### SMALLER TURNING RADIUS AND AGILITY

Larger steering angle (40°) makes smaller turning radius. Small turning radius offers flexibility for operator to adapt in a confined space.

### ENGINE (WD10G220E23)

Greater engine outputs of 162kw and impressive torque enables to precisely deliver the power you need. The fitted engine has been adjusted to various condition and offers lower fuel consumption in commonly used operating states.



## REINFORCED DURABILITY

### DURABLE AXLE DESIGN

More durable materials and technology were applied to machining gears.

### REINFORCED PINS

The hinge pins for operating devices in 6 positions have a radius of 5-10mm larger than similar products in the industry.

### SOLID FRAME STRUCTURE

3D CAD and FEM technologies are adopted in the analysis of technical design. Improving the strength, durability and reliability of the device.

### SOLID MAIN CONTROL VALVE

New pilot main control valve, which lowers inside leak and prolongs the service life. A pilot filter is added to increase the reliability of pilot system.

### TRANSMISSION SHAFT

Double bearing supporting propeller shaft in dual configuration. Lubricating oil can be infused easily, enhancing the durability.

### BUCKET REINFORCEMENT

Under and side plates of bucket have been upgraded. Both durability and capacity are now improved seamlessly.

### BOX SHAPED

Rear frame side plates' box-shaped structure allows enhanced frame strength.

## EASY MAINTENANCE

### ENGINE COVER

Engine cover part is integrated in one-piece. United cover makes it easy to repair engine and sub parts.

### LCD PANEL FOR ERROR CODE

LCD panel in the gauge panel shows error code and operator can recognize failures of the machine.

### EASILY CHANGEABLE BREAK DISCS

The use of quick-change brake discs allows the user to check brake pads for excessive wear at any time and change the brake pads more easily without removing the tires.

### BOOSTER PUMP

The booster pump delivers a higher augmented-thrust ratio and more stable braking performance.

### EASY APPROACH

Both sides of the hood can be opened to the side. Making daily oil inspection and maintenance works quicker and more convenient.

### CONVENIENT INSPECTION ON HYDRAULIC LEVEL

Monitoring the hydraulic oil level was made easier, to reduce maintenance time and to improve device service lifetime.



# PRODUCTIVITY

## INCREASED PRODUCTIVITY AND CAPACITY WITH LARGE WHEELBASE

- An extended wheelbase ensures better weight distribution, enabling faster cycle times and improved efficiency. The larger wheelbase allows for greater maneuverability and load capacity, boosting overall workplace productivity.

## IMPROVED PAYLOAD CAPACITY

- A higher 5.5ton payload provides operators with improved cost-efficiency and performance than before.

## INCREASED 1ST GEAR SPEED

- The operator can now experience the upgraded maximum 1st gear speed, delivering quicker acceleration than before.





# OPERATOR COMFORT

## CABIN COMFORT

Ample space, wide visual field and intuitive features will guarantee a pleasant work. Cabin also offers significant noise and vibration reduction.

## DELUXE SEAT

High back, deep-seated position, dual armrests and multi-level spring shock absorption guarantee a comfortable operation.

## ALL AROUND VISIBILITY

Improved visibility on the bottom section of the front windshield enables easy positioning of front wheels.

## AIR CONDITIONING

A Heating, ventilation, and air conditioning (HVAC) function has been increased by 20%.

## ENTERTAINMENT SYSTEM

MP3+radio, SD card and USB slot add enjoyment to operator's work conditions.

## PREMIUM STYLE

A pilot can easily feel the new style of steering wheel and brake pedal. A new gauge panel also delivers essential information right in front of the driver.

## NOISE KIT

The Noise Kit significantly enhances the operator's comfort and safety, reducing noise for a more focused and pleasant working environment.

## AUTO GREASING UNIT(AGS)

The Auto Greasing Unit ensures smooth, hassle-free operation, keeping the machine in peak condition for a safer and more comfortable drive.

## REAR VIEW CAMERA

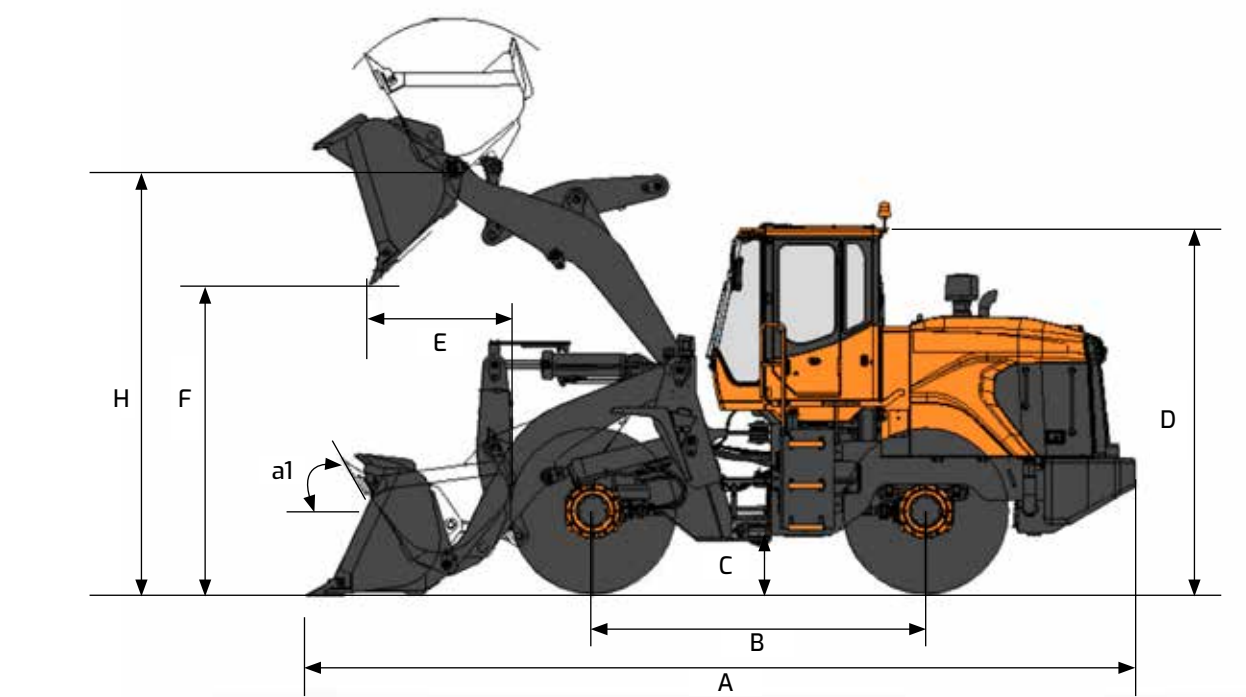
With the Rear View Camera, you gain a broader perspective, ensuring safer and more confident machine operation from every angle.



\*Photos may differ from the actual model



# TECHNICAL SPECIFICATION



## ENGINE

Model	Weichai WD10G220E23 (TIER 2)
Rated Power (SAE J1995 Gross)	162 kW (220PS)@2,000 rpm
Max. Torque (SAE J1995 Gross)	980 N.m@1,300~1,500 rpm
Fuel Consumption	225 g/kW.h@RATED SPEED
Number of cylinders/bores/strokes	6 / 126 mm / 130 mm
Displacement	9.7 L

## HYDRAULIC SYSTEM

Main Pump Type	Fixed gear
Main Pump Displacement	100 cc/rev
Max. Flow Rate	230 l/min

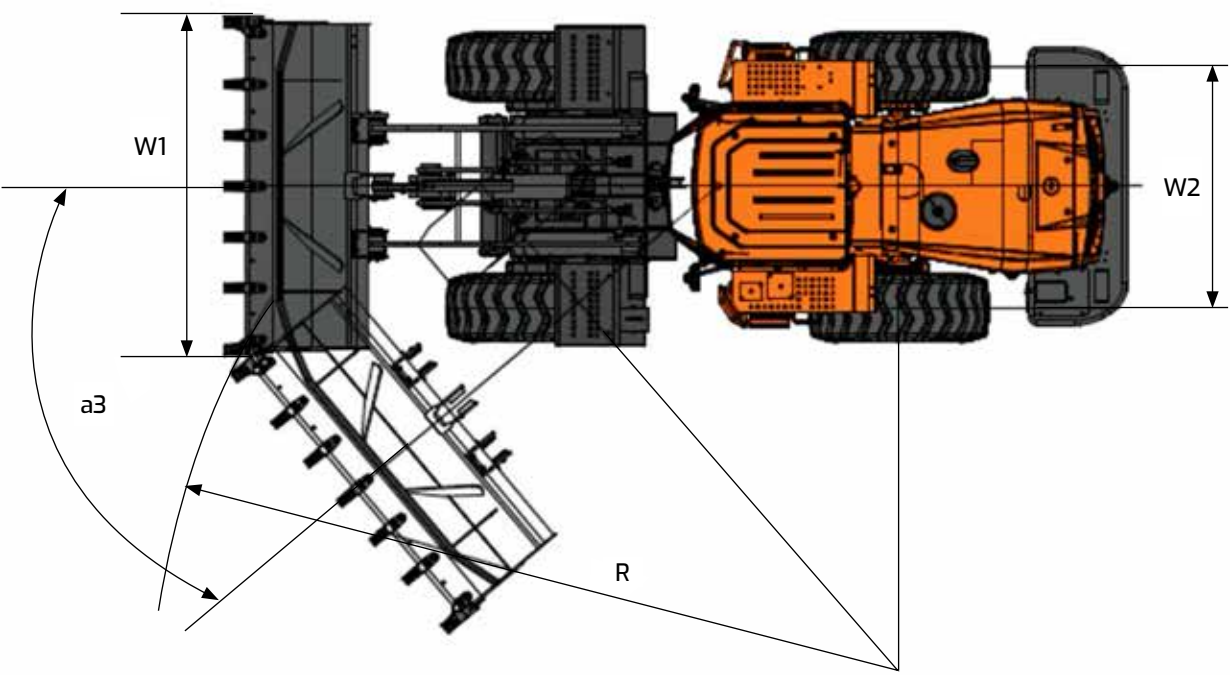
## GENERAL SPECIFICATIONS

Operating Weight	17.2 ton
Bucket Capacity (SAE HEAPED)	3.2 m³
Travel Speed (1/2)	12.5 / 38 km/h
System Pressure (Work/Steer)	180/140 kg/cm²
Payload	5,500 kg
Static Tipping Load (straight)	13,200 kg
Sound Level in CAB (ISO 6396)	80 dB (A)
External Sound Power Level (2000/14/EC)	109 dB (A)
Fuel Tank Capacity	300 L
Tire Size	23.5-25-16 PR

## TRANSMISSION

Type	2 Speed, Power-shift, Planet, Engine direct mounted
Torque Converter Stall Ratio/Size	4.14 / 315 mm

# DIMENSIONS & WORKING RANGE



ITEMS			UNIT	STD.	OPT 1	OPT 2	OPT 3
Operating Weight			ton	17.2	17.1	17.3	17.2
Bucket Capacity (SAE HEAPED)			m³	3.2	3.0	3.5	4.0
Arm				STD.	STD.	STD.	STD.
Breakout Force			kN	16.5	16.8	15.6	15.0
Dimension	Overall Length	A	mm	8,150	8,130	8,024	8,174
	Overall Width	W1	mm	2,992	2,992	3,000	3,092
	Overall Height	D	mm	3,520	3,520	3,520	3,520
	Ground Clearance	C	mm	420	420	420	420
	Wheelbase	B	mm	3,300	3,300	3,300	3,300
	Tread	W2	mm	2,174	2,174	2,174	2,174
Working Range	Dump Height at 45° (with tooth)	F	mm	3,066	3,075	3,091	3,010
	Dump Reach at 45° (with tooth)	E	mm	1,322	1,302	1,151	1,279
	Max. Tilt Angle (on ground)		degree (°)	45	45	45	45
	Max. Tilt Angle (at fully raised)		degree (°)	60	60	60	60
	Max. Tilt Angle (at carry)	a1	degree (°)	49	49	49	49
	Height at bucket pivot point	H	mm	4,150	4,150	4,150	4,150
	Digging Depth (0° level)		mm	121	121	115	89
	Max. Steering Angle	a3	degree (°)	40	40	40	40
	Turning Radius (tire center)		mm	5,950	5,950	5,950	5,950
	External radius at bucket edge	R	mm	6,600	6,595	6,570	6,640
Gradeability			% (°)	58 (30)			

\*Please communicate with your regional manager about the options.