

Construction Equipment

DOOSAN

DL300A-2

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DOOSAN

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DL300A-2

THE NEW SENSIBLE MULTIPLAYER

EXCELLENT CAPABILITY

- Robust new mechanical engine enables excellent performance in a high-load working environment.
- Enlarged bucket and shortened front cycle time facilitate increased productivity.
- The automatic transmission boasts stable performance, high reliability, a low failure rate and agile operation.

REINFORCED STRUCTURE

- Strong and durable structure with a reinforced arm allow DL300A-2 to work in the most severe circumstances.

THE WHOLE NEW STYLER

- The all-new cabin features an ergonomic design and a large operational space, a rear-view camera(Optional) and a user-friendly control unit.
- Exclusive cabin style, new engine room cover and grill with intense new color, DL300A-2 applies the next generation design.



EXPANDING POSSIBILITIES

QUICK COUPLER OPTION

Useful in quick transition of further attachments.
Designed intuitively to use a quick coupler easily.

TWO TYPE OF COUNTERWEIGHT OPTION

Additional counterweight option increases tipping load of the machine.

VARIOUS BUCKET OPTION

To give faster and more efficient bucket fill, a broad selection of buckets (2.7~5.0m³) is provided.



PERFORMANCE MAKE BOTH ENDS MEET



ENGINE (WD10G220E23)

Robust new mechanical engine with outputs of 162 kw, DL300A-2's engine shows strong power and impressive torque range. With 9.7L capacity which is the biggest in the class, it can precisely deliver the power you need.

WET DRIVE AXLE AND LSD (LIMITED SLIP DIFFERENTIAL)

The ZF wet drive axle from Germany ensures stable and safe braking which is not affected by external factors. It has brake discs with long service life.

AUTO TRANSMISSION

By applying automatic power shift transmission, shift shock is minimized and excellent power transmission is possible.

FAST OPERATING SPEED

Significantly improved work progress, reduced work time, and reached excellent perfectly balanced for optimal work efficiency.

EASY MAINTENANCE

FULLY TILTED ENGINE COVER

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

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.

GROUND LEVEL ACCESSIBILITY

Ground accessible filters and simple layout lower the entry barrier of access.

QUICKLY 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 needing to remove the tires.

RELIABLE SOLUTIONS, PROMISED QUALITY

HEAVY DUTY ARM

Reinforced arm made from high strength material for maximum reliability.

SOLID FRAME STRUCTURE

The enhanced frame strength makes it easy to meet the challenge posed by harsh working conditions.

COOLING PERFORMANCE

The patented cooling system offers continuous and uninterrupted work under high temperatures.

DURABILITY TEST

All main components must pass extensive and stringent standard durability test.

TRANSMISSION SHAFT

Double bearing supporting propeller shaft in dual configuration improves the reliability of propeller shaft.

OIL WASHED TYPE PRE-CLEANER (OPTIONAL)

Oil washed type pre-cleaner provides better filtering in dusty environments. It increases maintenance interval resulting in more uptime.





LED LAMP

Existing front lamp has been upgraded to LED and totally six more lights have been added. Four additional LED lights on the front and two more on the back. New additional working lamp contributes to enhanced safety through improved visibility.

MATCHLESS STYLE AND COMFORT

UPGRADED CABIN

The newly reformed cabin advanced with additional convenient facilities for operator comfort.

DELUXE SEAT

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

REAR VIEW CAMERA (OPTIONAL)

The safety of people and equipment is ensured by increasing the rear view using the rear camera and LCD monitor.

MOLDING FLOOR MAT

DL300A-2 is fitted with standard floor mat, adopting high quality material.

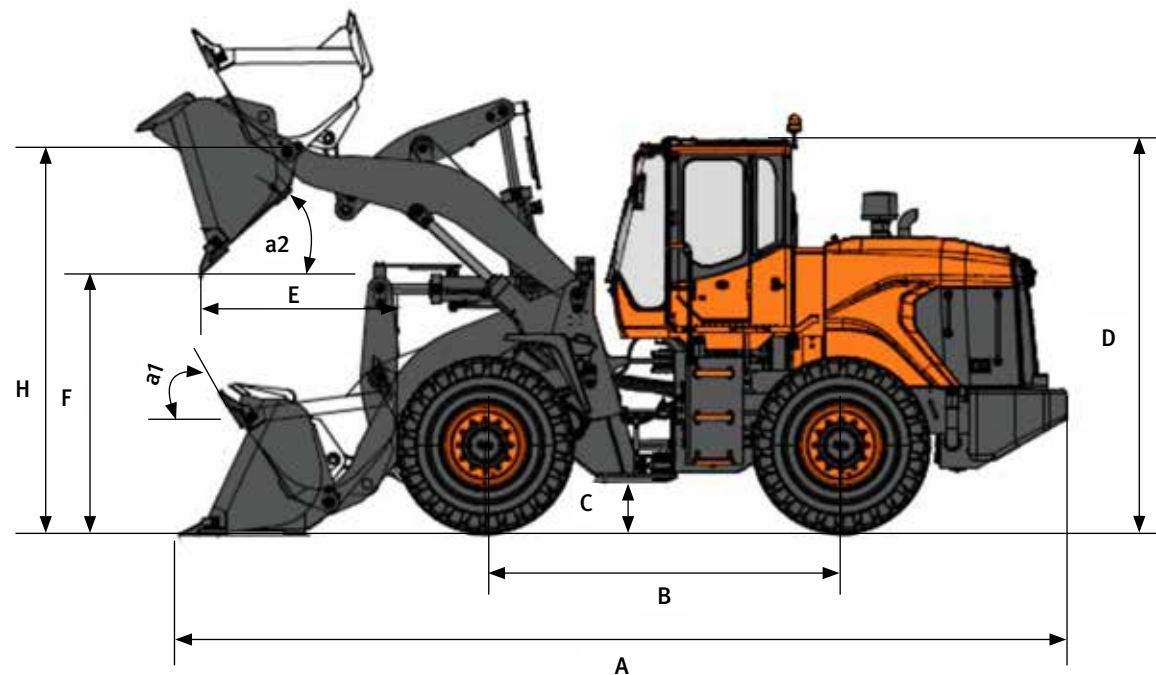
AIR CONDITIONING

The high performance of air conditioning system provides an air flow which is adjusted and electronically controlled according to the conditions.

CONTROL HANDLE

Various options such as single handle, double handle, FNR handle, etc. satisfy the various demands of customers hanks to various functions, easy operation, and excellent fine movement.

TECHNICAL SPECIFICATION



ENGINE

Model	Weichai WD10G220E23 (TIER-2)
Rated Power (SAE J1995 Gross)	162 kW (220 PS) / 2,000 rpm
Max. Torque (SAE J1995 Gross)	980 N.m / 1,300~1,500 rpm
Number of cylinders/bores/strokes	6 / 126 mm / 130 mm
Displacement	9,726 cc
Fuel Consumption	225 g/kW.h @ RATED SPEED
Type	Turbo, Direct injection

TRAVEL SYSTEM

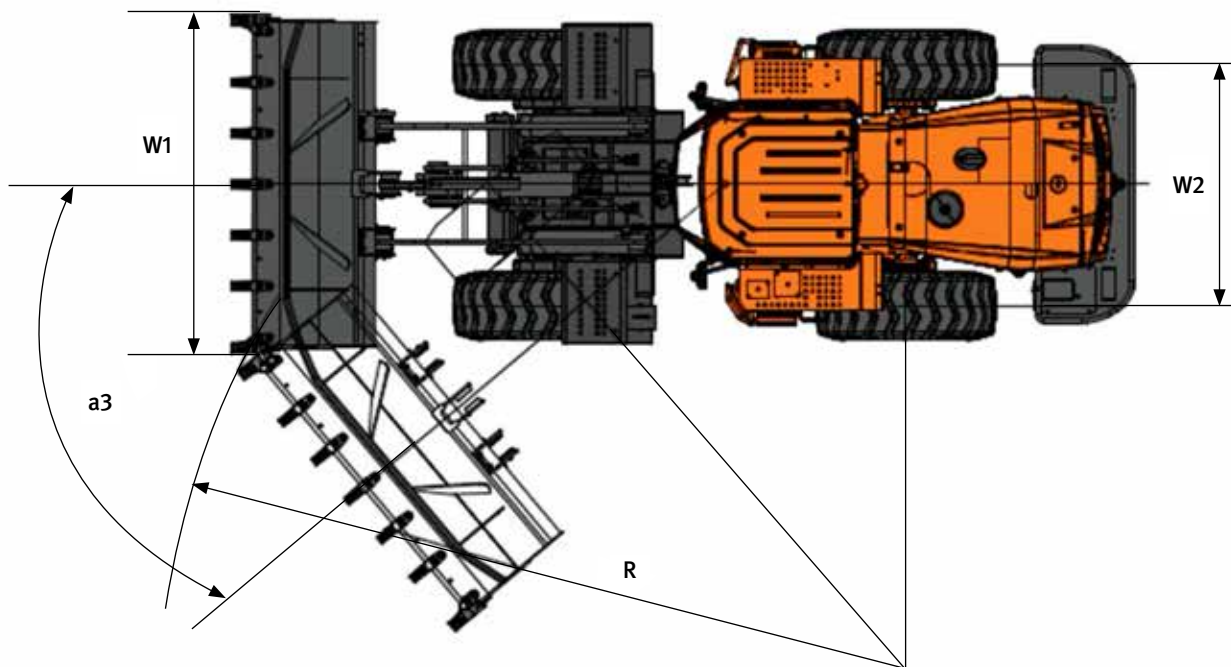
Transmission Type	4 Speeds, Power-shift, Countershaft, Engine remote mounted with propeller shaft & damper
Torque Converter Stall Ratio/Size	2.280 / 340 mm

HYDRAULIC SYSTEM

Main Pump Type	Fixed Gear
Main Pump Displacement	104.9 cc/rev
Max. Flow Rate	210 l/min

GENERAL SPECIFICATIONS

Operating Weight	17.5 ton
Bucket Capacity (SAE HEAPED)	3.0 m ³
Payload	5,000 kg
Travel Speed (1/2/3/4)	6.5 / 13.1 / 24 / 37.5 km/h
Static Tipping Load (straight)	14,200 kg
System Pressure (Work/Steer)	170 / 140 kg/cm ²
Sound Level in CAB (2000/14/EC)	80 dB (A)
External Sound Power Level (2000/14/EC)	114 dB (A)
Fuel Tank Capacity	300 Litre
Tire Size	23.5 R 25 (L3)



ITEMS			UNIT	STD.	OPT 1	OPT 2	OPT 3
Operating Weight			ton	17.5	18.02	17.45	17.7
Bucket Capacity (SAE HEAPED)			m ³	3.0	3.2	2.7	4.0
Arm				STD.	LONG	STD.	STD.
Breakout Force			kN	164	155.8	158.8	131.3
	Overall Length	A	mm	8,140	8,367	8,190	8,186
	Overall Width	W1	mm	2,992	2,944	2,980	3,092
	Overall Height	D	mm	3,595	3,595	3,595	3,595
	Ground Clearance	C	mm	420	420	420	420
	Wheelbase	B	mm	3,300	3,300	3,300	3,300
	Tread	W2	mm	2,150	2,150	2,150	2,150
Working Range	Dump Height at 45° (with tooth)	F	mm	3,089	3,446	3,117	3,012
	Dump Reach at 45° (with tooth)	E	mm	1,308	1,287	1,335	1,270
	Max. Dump Angle (fully raised)	a2	degree (°)	49	49	49	49
	Max. Tilt Angle (on ground)		degree (°)	45	45	45	45
	Max. Tilt Angle (fully raised)		degree (°)	59	59	59	59
	Max. Tilt Angle (at carry)	a1	degree (°)	50	50	50	50
	Height at bucket pivot point	H	mm	4,150	4,450	4,150	4,150
	Digging Depth (o° level)		mm	120	120	120	89
	Max. Steering Angle	a3	degree (°)	40	40	40	40
	Turning Radius (tire center)		mm	5,880	5,880	5,880	5,880
	External radius at bucket edge	R	mm	6,560	6,560	6,560	6,560
Gradeability			% (°)	58 (30)			