

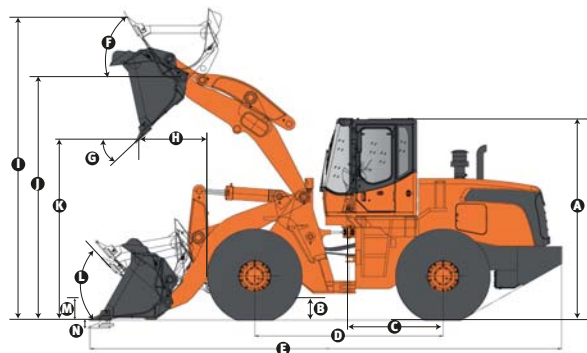
Specification

Overall working weight	kg	16,850	Front and Rear Axles		
Capacity heaped ISO/SAE	lb	37,148	TYPE		FULLY FLOATING PLANETARY-TYPE HUB DRIVE FIXED MOUNTING(FRONT) TRUNNION MOUNTING(REAR) PLANETARY
	m3	3.0			
	yd3	3.9	Final decelerate type		
Rated load	kg	5000			
Max traction force	Ton	16	Tyre		
Max breakout force (kN)	kN	161	Tyre specification	Mpa	23.5 -25-16PR
	lbf	36,194			
Max gradability	Degree	30	Front tyre pressure	Mpa	0.38
Dump height (at 45 ^º) 1)	mm	3127	Rear type pressure	Mpa	0.34
(at fully raised)	ft in	10'3"	Steering System		
Dump reach (at 45 ^º) 1)	mm	1,215	Type		Gear
(at fully raised)	ft in	3'9"	Steering angle	degree	40
Overall dimension(LxWxH)	mm	8000×2992×3450	Min. turning radius (outside tires)	mm	5900
				ft in	19'4"
			Min. turning radius (outside bucket)	mm	6510
				ft in	21'4"
Engine			Hydraulic system		
Model		Wei chai WD10G220E23 (TIER-II Certified)	System working pressure	bar	170
Type		TURBO, DIRECT INJECTION	Boom lifting(full load)	sec	↔ ~ 6.0
Number of cylinder		6	Total time	sec	↔ ~ 11.3
Bore/stroke (mm)		126 X 130 (mm)	Brake system		
Max torque		900 N.m/13000~1500 rpm	Service brake		AIR PUSH HYDRAULIC
Rated power		162 Kw/2000 rpm	Parking brake		SINGLE LINE
Rated speed		2000 rpm			SPRING-APPLIED
Min fuel consume ratio		225 g/kw.h @ RATED SPEED			AIR RELEASEDDRUM BRAKE
Transmission system			Fill capacity		
Torque converter type		Single Stage, two phase, Four elements(dual turbine)	Fuel	liter	300
Torque ratio		3.907	Hydraulic oil	liter	177
Transmission type		2 SPEED, POWER-SHIFT, PLANETRARY			
Gear shift		2 forward shift , 1 back			
Max speed	km/h	38.0 KPH			

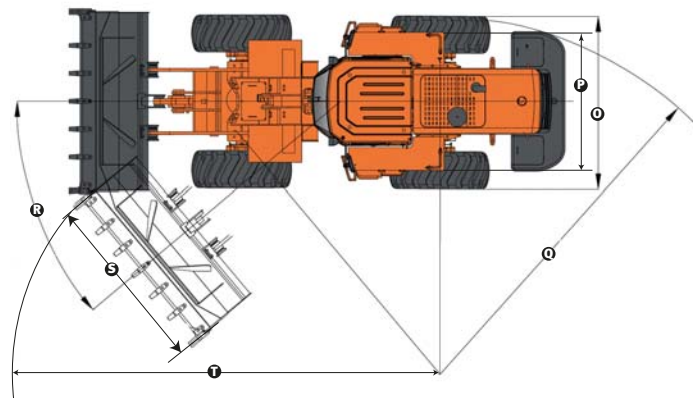
※ Specifications are subject to change without notice for quality improvement.

Dimension

A. Height to top of cab and canopy	mm	3470	K. Dump height (at 45°) 1)	mm	3127
	ft in	11'4"	(at fully raised)	ft in	10'3"
B. Ground clearance	mm	450	L. Maximum rollback at ground	degree	45
	ft in	1'5"	Max. tilt angle at ground		
C. Machine center point to rear axle		1600	M. Hinge pin height at carry position	mm	500
D. Wheel base	mm	3200	N. Maximum digging depth	mm	105
	ft in	10'6"		ft in	4"
E. Overall length	mm	8080	O. width over tires	mm	2840
	ft in	26'6"		ft in	9'4"
F. MAX. TILT ANGLE (fully raised)	degree	59	P. Tread width	mm	2240
G. Bucket dump at full height	degree	48		ft in	7'4"
H. Dump reach (at 45°) 1)	mm	1215	Q. turning radius outside tires	mm	5900
(at fully raised)	ft in	3'9"		ft in	19'4"
I. Maximum overall height	mm	5530	R. Maximum steering angle (each side)	degree	40
J. Hinge pin height at full lift	mm	4150	S. Bucket width	mm	2992
	ft in	13'7"		ft in	9'9"
			T. Turning radius outside bucket	mm	6510
				ft in	21'4"



1) Measured to the tip of the bucket teeth or bolt-on edge.



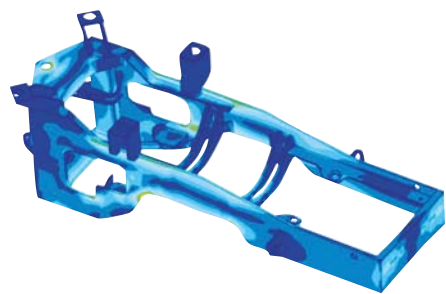
2) SD300: All measurements with tyres 23.5-25-16PR(L3)

DISD

Wheel Loader SD300

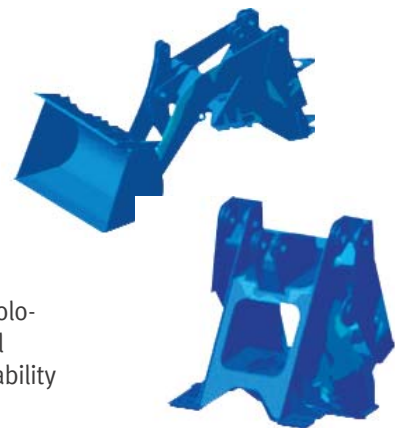


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Solid Frame Structure

The most advanced 3D CAD and FEM technologies are adopted in the analysis of technical design, greatly improving the strength, durability and reliability of the device.



Weichai WD10G220E23

Fuel saving and environment friendly low-speed engine, satisfying Tier-II emission standards.



Transmission Shaft : Double Bearing Drive Shaft

- Double bearing supporting propeller shaft in dual configuration for improving reliability of propeller shaft.
- Lubricating oil can be infused easily, enhancing the durability of the transmission shaft.



Radiator

Aluminum radiator is stronger and better in quality than copper radiator. Aluminum radiator enhances reliability of the machines.

Features of DISD wheel loader

- Stronger breakout force and tractive force, reflecting excellent performance in a high-load working environment.
- Ideal operating speed and 40°steering angle, sharply improving work efficiency.
- Low-speed engine, saving more fuel for the device.
- Reasonable matched top-end technology, ensuring a more reliable, durable and efficient device.
- Noise reduction technology in line with international standards, providing operator with physical and mental protection, while bolstering work efficiency.
- Industry leading cooling system, offering a guarantee for continuous and uninterrupted work under high temperatures.
- Streamlined appearance and wide operating room, representing an international brand style.

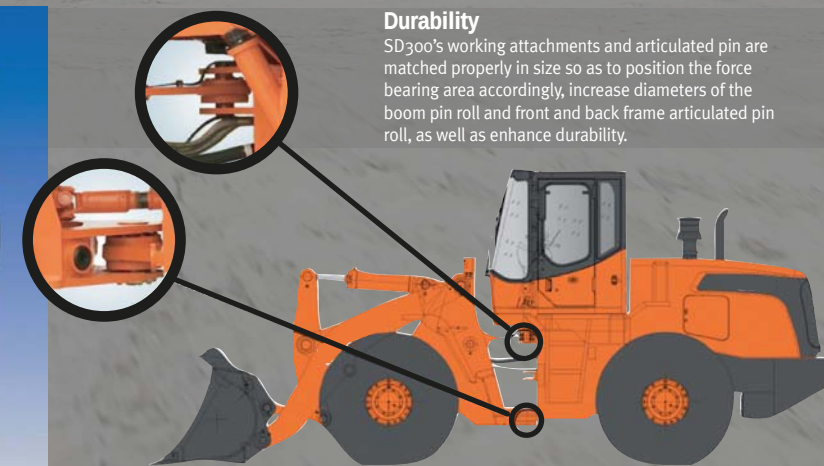
Cooling Performance

An optimal radiator design ensures the good performance of the loader and enhances the durability of parts such as the engine and pumps etc.



Durability

SD300's working attachments and articulated pin are matched properly in size so as to position the force bearing area accordingly, increase diameters of the boom pin roll and front and back frame articulated pin roll, as well as enhance durability.



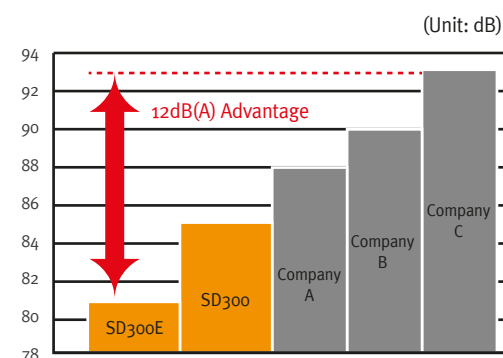
Fuel Level Gauge RPM Voltage Level Gauge
SD300
Brake Air Pressure E/G Oil Pressure Hour Meter Speed Total Distance Water Temp. T/C Oil Temp.

New Operator Panel

The instrument panel has been changed to improve operator comfort and convenience.

Lower Noise

Offering a quiet and comfortable working environment and improving efficiency.



Air Flow Increased by 30%

Excellent air-conditioning system and air circulation function as well as perfect defrost system provide operator a more comfortable operating environment and more easy controlling methods to benefit from the above functions.



Cabin

- Enough space.
- Wide visual field.
- Noise inside cabin is lower than comparative units.
- Comfortable operating space.
- Multi-angle adjustable steering wheel.



Full Tilting of Engine Cover

With this one body engine cover, it is easy to repair engine and sub parts.

Easy and Quick Adjustable Maintenance Window

The 180°side-opened maintenance window provides a quick and direct view for inspection, largely saving daily monitoring and maintenance time.

Inspection for High /Low Hydraulic Oil Level

Used to monitor the hydraulic oil level more easily to reduce maintenance time, improving device service lifetime.

Quickly Changeable Brake Disc

Brake disc can be replaced quickly and easily without disassembling tires, deeply shortening the maintenance time and saving time and labor cost.



High Efficiency Cooling Fan

The cooling fan of non-isometric blades can reduce noise and increase air flow.

Outdoor Power switch Used to cut off battery power when necessary to enhance maintenance safety and convenience while protecting the battery and extending battery life when the device is parked for a long time.

