DISD

SD200-3

Main Performance Parameters (Standard Configuration)

Overall Working Weight:	10,300 kg
Rated Bucket Capacity:	1.8 m^3 (Optional Light Material Bucket 2.2m^3)
Rated Power:	92 kw / 2,200 RPM
Overall Dimensions (LxWxH):	6,990 x 2,510 x 3,250 mm
Dumping Distance:	1,240 mm (Dump Angle 45°)
Dumping Height:	2,840 mm (Dump Angle 45°)

Useful, Reliable and Comfort Machine

Outstanding DISD Loaders have 3-highs and 3-lows : high reliability, high comfort, and high effectiveness, coupled with low noise, low oil temperature, and low oil consumption.

SD200-3

Key features

RELIABILITY

- Fuel system is world famous maker's and its market share is the highest globally. They are very reliable and well proven.
- One layer radiator works effectively even in very dusty environment and engine operates without overheating
- Triple fuel filters protect engine and fuel system from low quality fuel and make engine life longer
- Reliable world famous maker's hoses are applied to high pressure hydraulic line.
- Hydraulic hoses, pipes and pipes welding are well optimized
- Italian high quality components are applied to important high pressure functions
- Steel structure such as frame and front is desined by FEM technology and well tested and verified

PERFORMANCE

- Power train is well matched and tuned so engine, transmission, axles perform efficiently and powerfully. Traction is the highest level.
- Optimized Z bar front and hydraulic system is well designed for smooth and strong excvating and loading
- Smaller turning radius thanks to 40 degree steering angle makes moving path and working time shorter
- Longer wheel base and well arragned assembly desgin to makes center of gravity positioned rearward helps work more stable
- Three engine modes are provided and operator can select a engine mode considering work load and fuel consumption for work

COMFORT

- Newly designed cabin is spacious and provides wider view and enhanced safety
- Digital LCD window in the gauge panel, adjustable steering wheel, luxury seat provides comfortable driving environment
- Pilot control makes operation easier and increase productivity
- Low noise level gives you comfort and less stress

MAINTENANCE

- Easy approach to the filters in the engine room and brake system for maintenance
- LCD window in the gauge panel shows error code and operator can recognize failures of the machine

Reliable design and Components

Reinforced pins for longer service life

Diameter of 6 pins where work load are most severe is thicker than competitors by 5 ~ 10 mm. Service life of pins are increased.

More durable axle design

Gear modules are optimized and more durable materials and advanced technology for machining gears are applied. Thanks to these improvements, load carrying capacity of gears is enhanced.

Transmission Shaft

A reinforced propeller shaft with a connecting bolt comprising a self-locking nut has been adopted to improve the durability of the drive line system.

Improved pipe welding

New and improved welding process is applied to high pressure pipes for higher reliability

Engine

The new engine(WP6G125E332) produces 123 hp(92 kw/125 PS) at only 2,200 rpm, and more torque, due to its careful design combined with the use of common rail. These features help optimize combustion and minimize pollution through reduced Nox & particulate emissions.

Triple fuel filter

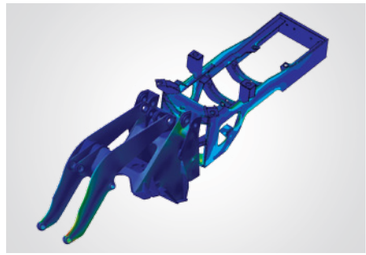
Triple fuel filters protect engine and fuel system from low quality fuel and make engine life longer

Reliable hydraulic components (MCV)

High quality, reliable Italian hydraulic components are applied. These high quality components provides delicate control, less internal leak and longer service life

Reliable hydraulic components (Pump and valve)

Pump is reliable and its quality failure is low. Multi-tandem valve's new type solid spool is high quality, precisely machined so service life is longer and control is accurate.
Pump and valve are famouse brands' products



Well verified steel structure

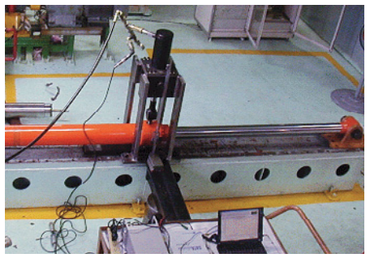
Steel structure such as frame and front are analyzed with FEM (Finite Element Method) technology and tested and verified in the lab and proving ground

High quality hydraulic hose

Parker hoses are applied for all high pressure hydraulic line to improve piping quality

Air cleaner for dusty environment

Special air cleaner for extremely dusty environment is applied to prevent dust in the desert area from permeating into the engine



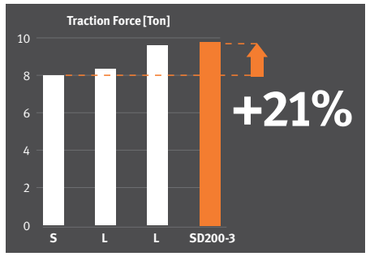
Durability Test

DISD Wheel Loaders apply strict standard for selection of components and parts. All principle components must pass extensive and stringent standard durability test in Korea, thus guaranteeing the high reliability of the DISD Wheel Loader.

Performance and Maintenance

Perfectly matched power train

DISD's advanced technology and expertise for power train makes power train perfectly matched. Engine, transmission and axles are optimized and finely tuned for each other and produce 9.5 ton's traction. Powerful traction makes job easy and efficient.

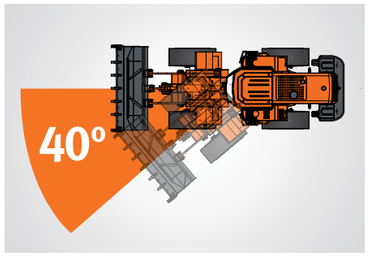


Strong Traction Force Performance

DISD Wheel Loaders have top level traction force thus providing excellent penetration. The traction force of the SD200-3 is up to 21% higher than competitors' products.

Stable work

Longer wheel base and well arragned assembly desgin to makes center of gravity positioned rearward helps work more stable. Excavating even solid material, machine does not tip over easily and material in the bucket does not spill over while carrying material.



Smaller turning radius and agility

Lager steering angle (40°) makes turning raduis smaller and smaller turning raduis makes moving path shorter especially in a narrow job site. At the end, smaller turning radius makes job done quickly.

Optized Z bar front

Optimized Z bar front and hydraulic system is well designed for smooth and powerful excvating and loading. Front work cycle is faster than ever

Excellent radiaotr performance

One layer radiator has much more efficient cooling performance. Air passing one layer coolers can cool down the system quickly and makes the machine stay in the best working condition for all the time.

Three work modes for efficiency

Three engine modes are provided and operator can select a work mode considering work load and fuel consumption for work.

Easy Maintenance

Maintenance windows have been added to each side of the engine hood, thus making daily oil inspection and maintenance works quicker and more convenient.

Brake System Check

The brake pump is fixed on the side, simplifying routine maintenance work.

LCD window for error code

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

Comfort

Cab Vision

Newly designed cabin is spacious and provides wider view and enhanced safety. Noise is lowered and seat is very comfortable. Gauge panel and steering column is designed with ergonomic consideration. Pilot control by joystick and electric accelerator pedal provides easier control and improve productivity.

Cab

The cab features Korean technology, including an integral-type frame structure for best safety, high performance damping materials with better tightness, sound-insulation and damping effects, thus reducing the noise level of the DISD loader to 81db which is the lowest noise level in the industry.

Joystick Lever

The hydraulic working lever features a high-quality lever imported from Italy. The joystick lever can increase productivity by up to 30%, while enabling the operator to work easily and comfortably.

Adjustable Steering Wheel

The adjustable steering wheel complies with ergonomic principles.
Adjusting angle:
- Forward : 5°
- Backward : 20°

Heater & Fan

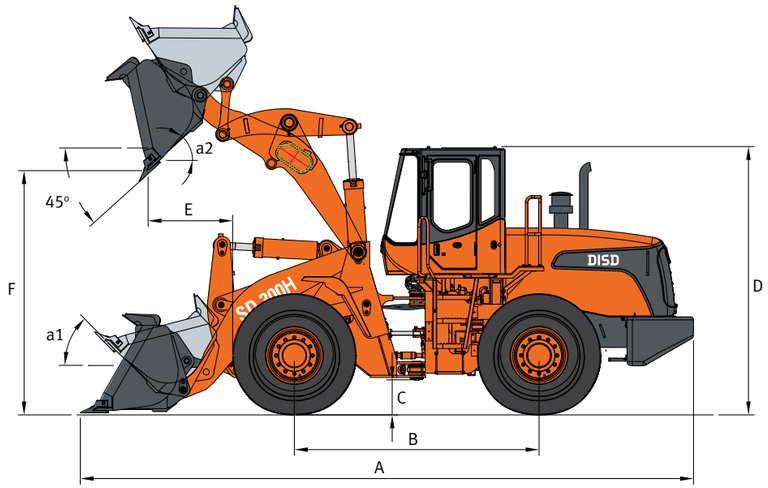
Heater and Fan have been installed under the driver's seat for efficient delivery to the driver, thus the rate and direction of air flow can be controlled easily.

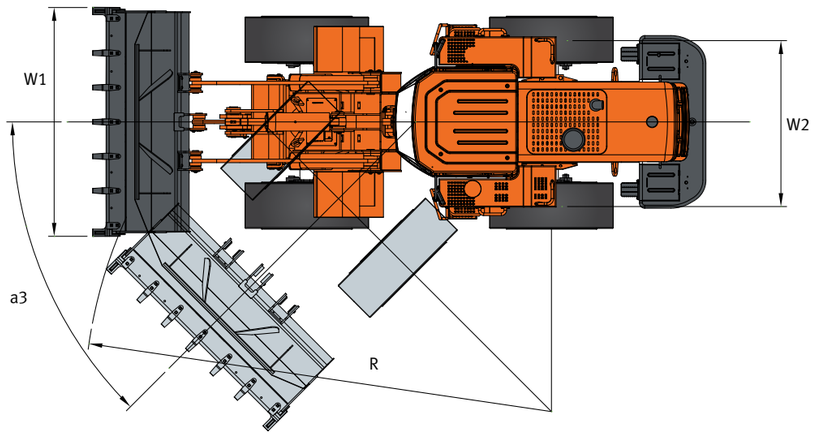
Air-Con Unit

The high-performance air conditioning system supplies a flow of air which can be adjusted and electronically controlled according to the environmental conditions.

Specification

SD200-3





General Specitication

Operating Weight	10.3 ton
Machine Dimensions (A x W1 x D)	6,990 X 2,510 X 3,250 mm
Ground Clearance (C)	330 mm
Wheel Base (B)	2,830 mm
Tread (W2)	1,850 mm
Turning Radius (R)	Tyre Center : 5,090 mm
	Bucket Edge : 5,710 mm
Steering Angle (a3)	40 deg
Max. Gradeability	30 deg
Oscillation Angle	± 11 deg

Working Range

Dumping Height (F)	2,840 mm
Dump Reach (E)	1,240 mm
Long Arm Dump Height	3,100 mm
Long Arm Dump Reach	1,134 mm
Max. Dump Angle (a2)	48°
Max. Tilt Angle on Ground (a1)	45°

Engine

Model	WP6G125E332
Rated Power	92 kW
Rated Speed	2,200 rpm
Max. Torque	540 N.m

Performance

Rated Bucket Capacity	1.8 m^3
Max. Rated Load Capacity	3 ton
Static Tipping Load (straight)	7.3 ton
Static Tipping Load (full turn)	6.4 ton
Breakout Force	10.1 ton
Lifting Speed	5.0 sec
Dumping Speed	0.8 sec
Lowering Speed	3.6 sec
Loading Cycle Time	9.4 sec

Travel Speed and Traction

Max. Travel Speed	37 km/hr
Max. Tractive Force	9.8 ton

Capacity

Fuel Tank Capacity	155 liter
Fuel Injection Cycle	12 hr
Fuel Residual @ Indicator	13.5 liter
Hydraulic Oil Tank Capacity	127 liter
Cooler	28 liter
Transmission Oil	42 liter
Engine Oil	14 liter
Drive Axle Oil	19/19 liter

Noise Level

Noise at Driver's Seat	81 dB(A)

Option Table

OPTION GROUP	OPTION NAME	STANDARD ARRANGEMENT
Arm	Standard arm	■
	Long arm	□
	Long arm with hydraulic piping line	□
	Standard arm with hydraulic piping line	□
Bucket	1.7m^3 mono tooth	□
	1.8m^3 mono tooth	■
	1.9m^3 cutting edge	□
	1.9m^3 mono tooth	□
	2.2m^3 light material bucket	□
Attachments	Log fork	□
	Pallet fork	□
	Grass grapple	□
Control valve	Standard control valve (2 spool)	■
	Control valve with additional hydaulic line (3 spool)	□
Audio	Radio Stereo	■
Air conditioner	Air Conditioner & Heater	■
	Fan & Heater	□
Cabin ROPS	ROPS	□
Rotating beacon	ROTATING BEACON	□
Noise kit for lower noise	NOISE KIT	■

DISD

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