

# SD200-3

## VERSATILE, RELIABLE AND COMFORTABLE WHEEL LOADER

### PRODUCTIVITY & PERFORMANCE

- Increased engine power, stronger breakout force and traction force combined for overwhelming performance.

### RELIABILITY AND DURABILITY

- Stronger breakout force and tractive force shows superior performance in the high load working environment.
- Smaller turning radius with 40-degree steering improve working efficiency.
- Three engine modes are provided for operator can select an engine mode considering work-load and fuel consumption for work.
- Single layer radiator works effectively even in dusty environment and prevent engine from overheating.
- Industry leading cooling system, offering a guarantee for continuous and uninterrupted work under high temperatures.



## SD200-3 RIGHT PERFORMANCE IN RIGHT PACE

### STABLE WORK

Longer wheel-base and arranged assembly design to makes center of gravity positioned rearward helps work more stable.

### 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.

### PERFECTLY MATCHED POWER TRAIN

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

### OPTIMIZED Z BAR FRONT

Z bar front and hydraulic system is designed for heavy loads. This geometry enables rapid bucket movements, ensures correct angle positioning and good loader stability.

### THREE WORK MODES FOR EFFICIENCY

Operator can select a work mode considering work-load and fuel consumption for work.



### ENGINE (WP6G125E332)

The engine produces 92 kw at 2,200 rpm. High power and impressive torque range enables to precisely deliver the stable working speed. Perfectly harmonized with the hydraulic system and provides strong power delivers maximum productivity and profitability and at the same time.



## SD200-3 EASY MAINTENANCE

### EASY APPROACH

Easy approach to the filters in the engine room and brake system for simple maintenance.

### AIR CLEANER

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

### LCD WINDOW FOR ERROR CODE

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

### OIL LEVEL MONITOR

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



### TRIPLE FUEL FILTER

Highest efficiency filters remove water, dust & particles to protect your engine optimally. Triple fuel filters reduce the risk of external engine contamination and lengthen the engine's lifespan.

## REINFORCED DURABILITY

### COOLING PERFORMANCE

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

### REINFORCED PINS

Where workload are most severe, diameter of 6 pins is thicker than competitors by 5 – 10 mm.

### DURABLE AXLE DESIGN

More durable materials and technology were applied to machining gears.

### TRANSMISSION SHAFT

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

### DURABILITY TEST

Doosan SD Wheel Loaders are All vital components must pass extensive and stringent standard durability test.



### 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.

### RELIABLE HYDRAULIC COMPONENTS

This components provides delicate control, less internal leak and longer service life.

**SD200-3**  
**BALANCE OF FUNCTION**  
**FOR OPERATOR CONCENTRATION**

**CABIN COMFORT**

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

**AIR FLOW INCREASED BY 30%**

Offering high-performance air conditioning system, electronically controlled according to the environmental conditions.

**JOYSTICK LEVER**

Highly intuitive joystick lever enables easier and safer operations.

**NEW OPERATOR PANEL**

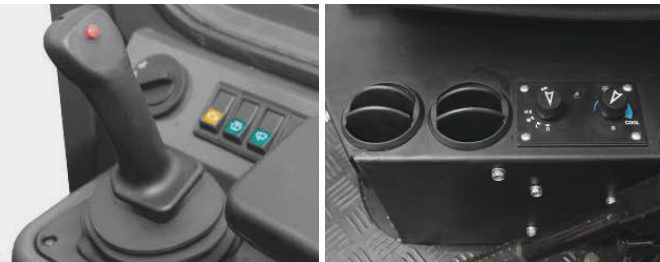
The new instrument gauge panel has been changed simple and intuitively to put essential information right in front of the operator.

**ADVANCED ENJOYMENT SYSTEM**

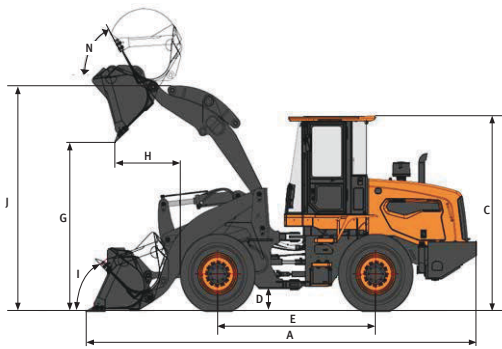
MP3+radio, SD card and USB slot add enjoyment to operator's work conditions.

**ERGONOMICALLY DESIGNED PEDAL**

- lessen the load of operator.
- The adjusted pedal angle relieves the pressure on ankle and joints, reducing operator's fatigue.



## TECHNICAL SPECIFICATION (SD200-3)



### ENGINE

Model	Weichai WP6G125E332
Rated Power (SAE J1995 Gross)	92 kW (125 ps) @ 2,200 rpm
Max. Torque (SAE J1995 Gross)	540 N.m @ 1,300-1,500 rpm
Number of cylinders/bores/strokes	6 / 105 mm / 130 mm
Displacement	6.7 L
Fuel Consumption	215 g/kW.h @ rated speed

### HYDRAULIC SYSTEM

Main Pump Type	Fixed gear
Main Pump Displacement	100 cc/rev
Max. Flow Rate	215 l/min

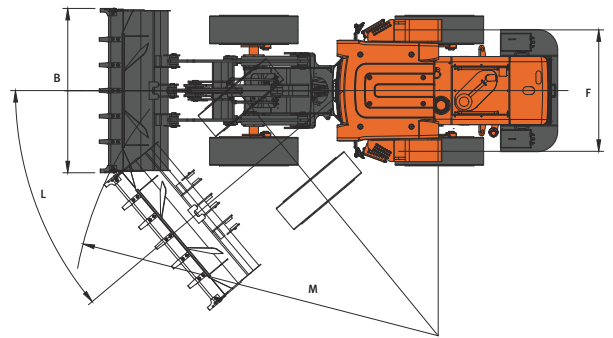
### GENERAL SPECIFICATIONS

Operating Weight	10.3 ton
Bucket Capacity (SAE HEAPED)	1.7 m <sup>3</sup>
Travel Speed (1/2/3/4)	8.5 / 13.0 / 24.0 / 37.0 km/h
System Pressure (Work/Steer)	175/140 kg/cm <sup>2</sup>
Payload	3.0 ton
Static Tipping Load (straight)	7,850 kg
Sound Level in CAB (ISO 6396)	81.2 dB (A)
External Sound Power Level (2000/14/EC)	109 dB (A)
Fuel Tank Capacity	150-155 L
Axle Type	fully floating planetary-type hub drive fixed mounting
Tire Size	17.5 - 25 - 12 PR

### TRANSMISSION

Type	4 speed, Power-shift, Countershaft, Engine remote mounted with propeller shaft & damper
Torque Converter Stall Ratio/Size	3.0 / 315 mm

## DIMENSIONS & WORKING RANGE (SD200-3)



ITEMS	UNIT	STD.	OPT 1	OPT 2	OPT 3	
Operating Weight	ton	10.3	10.4	10.35	10.48	
Bucket Capacity (SAE HEAPED)	m <sup>3</sup>	1.7	1.7	2.2	2.2	
Arm		STD.	LONG	STD.	LONG	
Breakout Force	kN	99	104.9	101.9	101.9	
Dimension	Overall Length	A mm	6,990	7,140	7,000	7,160
	Overall Width	B mm	2,496	2,510	2,510	2,510
	Overall Height	C mm	3,250	3,250	3,250	3,250
	Ground Clearance	D mm	330	330	330	330
	Wheel Base	E mm	2,830	2,830	2,830	2,830
	Tread	F mm	1,850	1,850	1,850	1,850
Working Range	Dump Height at 45° (with tooth)	G mm	2,840	3,100	2,848	3,118
	Dump Reach at 45° (with tooth)	H mm	1,240	1,134	1,270	1,160
	Max. Tilt Angle (on ground)	I degree (°)	45	45	45	45
	Max. Tilt Angle (at fully raised)	N degree (°)	60	60	60	60
	Height at bucket pivot point	J mm	3,770	4,040	3,770	4,040
	Digging Depth (0° level)	K mm	45	55	50	60
	Max. Steering Angle	L degree (°)	40	40	40	40
	External radius at bucket edge	M mm	5,710	5,710	5,780	5,780
Turning Radius (tire center)	mm	5,090	5,090	5,090	5,090	
Gradeability	% (°)	58 (30)				