110 kW (148 HP) at 1900 rpm

21500 kg

0.81 - 1.17 m^3

DX225LCA | Crawler Excavator

DX225LCA

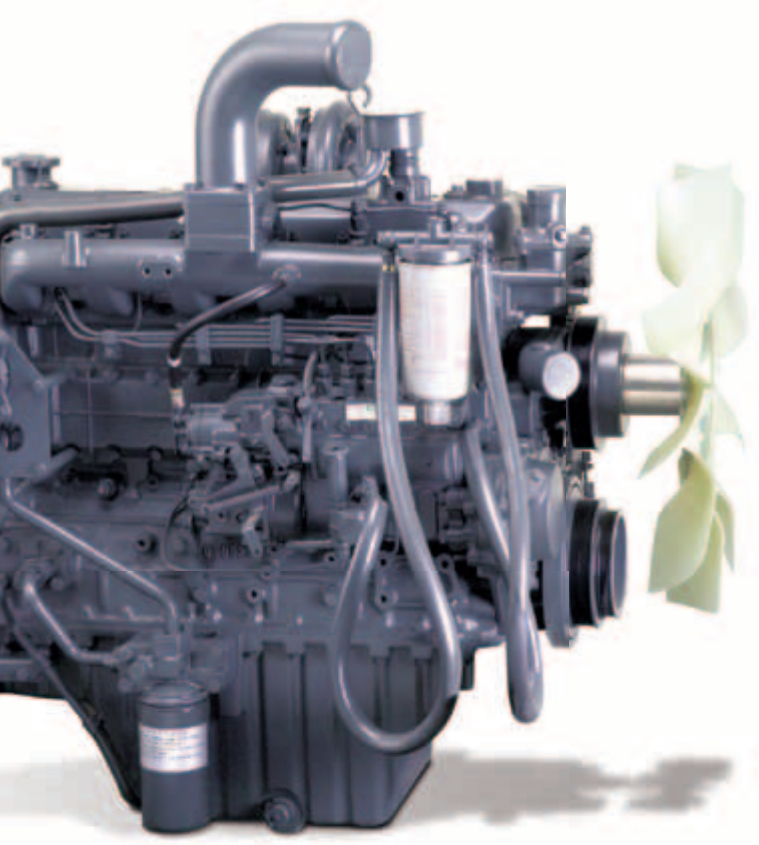
DX225LCA HYDRAULIC EXCAVATOR

INNOVATION FOR LASTING VALUE

The DX225LCA hydraulic excavator was designed to offer all the advantages of its predecessor, plus even more value for the operator. That includes a safe and pleasant working environment with improved ergonomics, more comfort and excellent all-round visibility.
The new generation DOOSAN engine is optimised and electronically controlled to boost your production and maximise fuel efficiency. By using high-performance materials combined with new methods of structural stress analysis, we have improved overall reliability. This also leads to longer component life and reduced costs. Meanwhile, maintenance is reduced, increasing the availability of the machine and reducing running costs.

Ground-breaking performance

The DX225LCA was designed to maximise your profits by performing to top standards on every job. Its powerful engine and e-EPOS control system combine for outstanding productivity and efficiency.



DOOSAN DB58TIS ENGINE

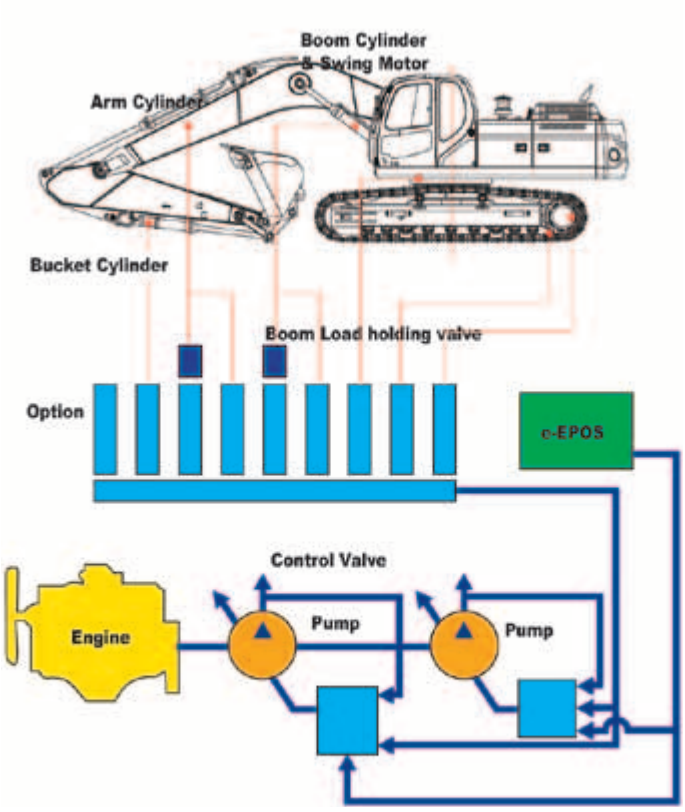
The heart of the DX225LCA is its reliable 6-cylinder water-cooled engine. In combination with the e-EPOS electronic control system, it offers the ultimate in power delivery and fuel economy. As well as lowering running costs, it keeps harmful emissions to a minimum.

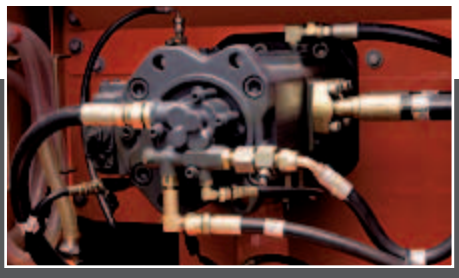
EXCAVATOR CONTROL

e-EPOS system (Electronic Power Optimising System)
If the engine is the heart of the DX225LCA, the e-EPOS is its brain. It provides a perfectly synchronised communication link between the engine's ECU (Electronic Control Unit) and the hydraulic system. A CAN (Controller Area Network) system enables a constant flow of information between the engine and hydraulic system, ensuring power is delivered exactly as needed.

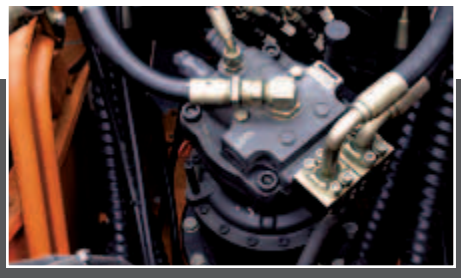
Simple and efficient

- The choice between Standard and Power operating modes guarantees optimal performance in all conditions.
- The automatic deceleration mode enables fuel saving.
- Regulation and precise control of the flow rate required by the equipment are available as standard.
- A self-diagnosis function allows technical problems to be resolved quickly and efficiently.
- An operational memory provides a graphic display of the machine status.
- Maintenance and oil change intervals can be displayed.

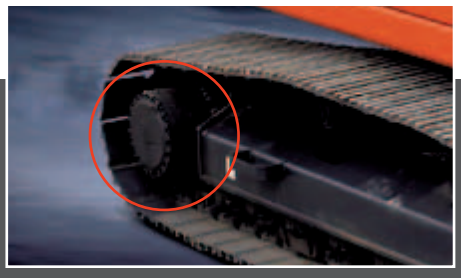




Hydraulic pump
The main pump has a capacity of 2 x 206.5 l/min, reducing cycle times, while a high capacity gear pump improves pilot line efficiency.



Swing drive
Shocks during rotation are minimised while generous torque is available to ensure rapid cycles.



Travel mechanism
The internal structure of the travel mechanism is simplified for enhanced durability and smoother performance.

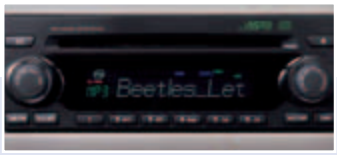
Excellent working conditions

Ultimately an excavator's work rate depends on the performance of the person who controls it. That's why the new DX225LCA was designed around the operator, with ergonomics that are specially developed to maximise efficiency and safety.
The DX225LCA cab offers plenty of space, a clear view all around, a comfortable seat and effective air conditioning. Fatigue is minimised so it's easy to keep on working, hour after hour.

Air conditioning
The high-performing, electronically controlled air conditioning system features 5 different operating modes allowing the operator to adjust the airflow to suit conditions.

Air suspension seat (optional)
As well as being adjustable and offering lumbar support, the seat has an air suspension system to reduce vibrations. A seat heating system is incorporated for more comfortable winter work.

Control panel
The control panel is clear, simple to read and positioned for easy use, allowing you to work safely and confidently.



MP3/CD player (optional)

Easy audio
The audio button is positioned within handy reach so that the driver can easily turn the radio on and off, select channels and control the volume.

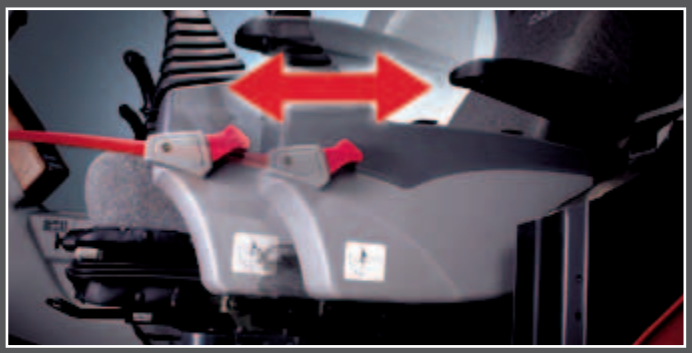
Mobile phone compartment

12 V power socket

Cigarette lighter

Glass antenna

Visibility has been improved in all directions and the size of the cab has been increased.



Comfortable 2-stage sliding seat

Control stand (telescopic function)

Precise control for more efficiency

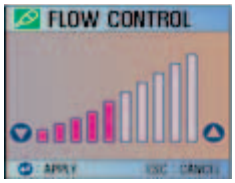
The DX225LCA features a range of technologies that deliver the most effective control over the machine's power as well as making maintenance easier. This increases both efficiency and machine durability, raising your productivity, lowering costs and making the DX225LCA an excellent investment.

Standard screen

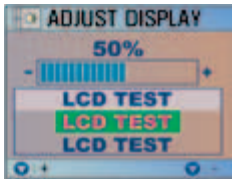
Theft protection

Filter/oil information

Operating history



Flow rate control



Contrast control

Multi-function colour LCD monitor panel

❶ **Warning lights**

❷ **Colour LCD display**

❸ **Operating modes**
- Mode selection
- Flow rate control
- Auto deceleration
- Display selection

Choice of operating modes

A choice between two operating modes guarantees optimal performance in all conditions.
- Standard mode uses 85% engine power for general work.
- Power mode uses 100% engine power for heavy work.

Convenient storage spaces make the operator's life easier

Rear camera

Simple operation

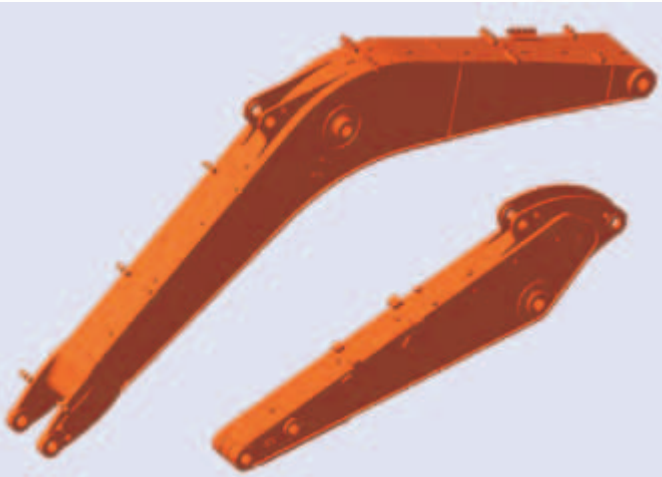
Levelling operations, movement of lifted loads and tricky manoeuvres are all controlled easily and precisely with control levers. Buttons integrated on the levers are used to operate additional equipment such as grabs, crushers and grippers.

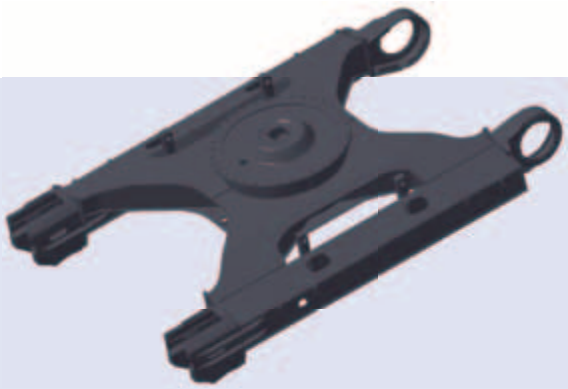
Designed and tested for rock-solid dependability

We know that reliability has a direct impact on your profits. That's why we leave nothing to chance when it comes to the construction of our excavators. We use advanced computer-assisted design techniques to create robust structures. All materials and components are then tested under the most extreme conditions to make sure you get the best value for your money.

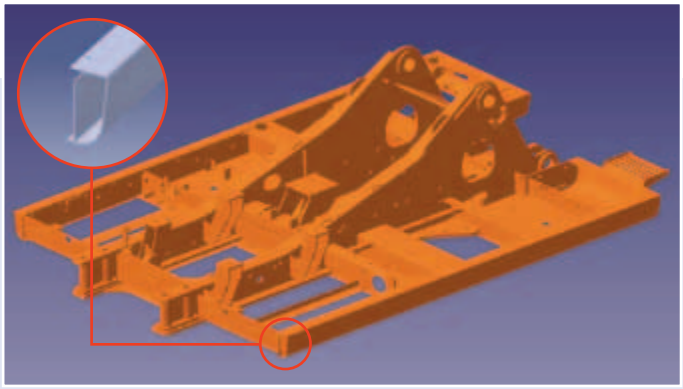
Strengthened boom
Finite Element Analysis (FEA) has been used to calculate the best distribution of loads throughout the boom structure. Combined with increased material thickness, this means that element fatigue is limited and both reliability and component life are increased.

Arm assembly
Cast elements have been used and reinforcement has been added around the bosses to give the arm assembly greater strength and a longer lifetime.

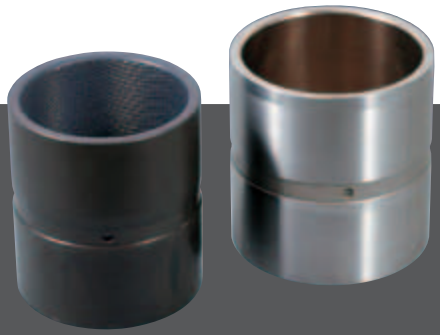




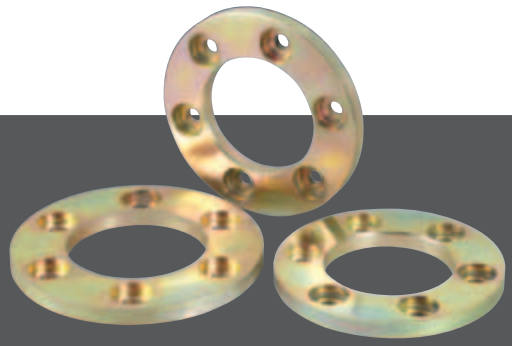
X-chassis
The X-chassis frame section has been designed using Finite Element Analysis and 3D computer simulation to ensure optimum structural integrity and durability. The swing gear is solid and stable.



D-type frame
The D-type frame and chassis frame add strength and minimise distortion due to shocks.

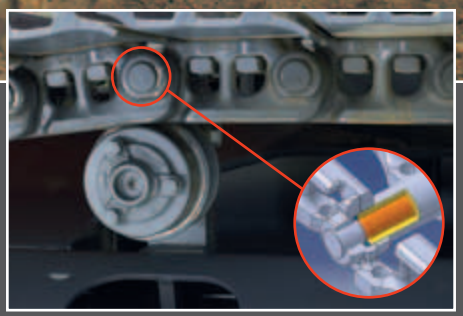


Sintered bushing
A highly lubricated sintered metal bushing is used for all front pivot points in order to increase the component lifetime and extend the greasing intervals to 250 hours. The arm to bucket pivot features a rolled bushing with very fine grooves, only requiring greasing every 50 hours.



Ultra hard wear-resistant discs
New materials have been used to enhance resistance to wear and to increase service intervals. Wear plates on the inside and the outside of the bucket lugs greatly increase disc lifetime.

Integrated track spring and idler
The track spring and idler have been joined together for long-lasting performance and convenient maintenance.



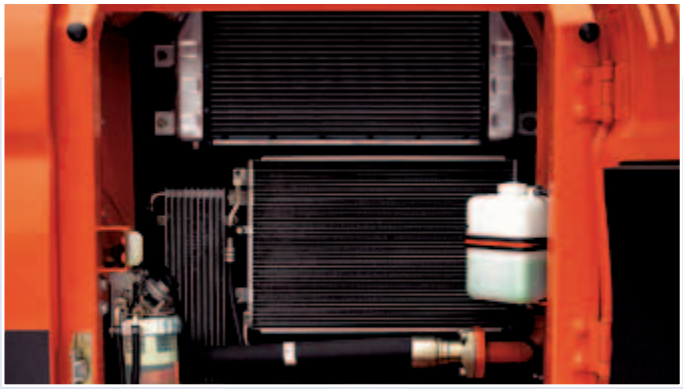
Tracks
For long-term dependability in all conditions, the chain is composed of sealed, self lubricating links which are isolated from all external contamination. The tracks are locked by mechanically bolted pins.

Polymer shim
A polymer shim is added to the bucket pivot to maintain precise control over the equipment.

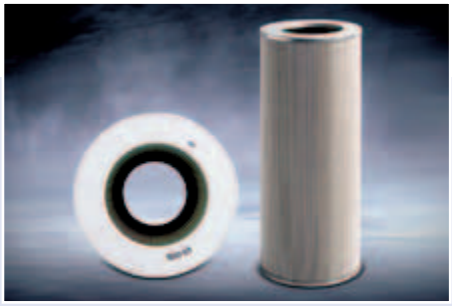
Easy maintenance for less downtime

Short maintenance operations at long intervals mean you can depend on your equipment being available on site when it's needed. As well as being easy to use, the DX225LCA was designed for simple maintenance, making it an economical and rewarding choice.

Engine oil filter
The engine oil filter offers a high level of filtration allowing a long interval of 500 hours between changes. It is easy to access and is positioned to avoid contaminating the surrounding environment.



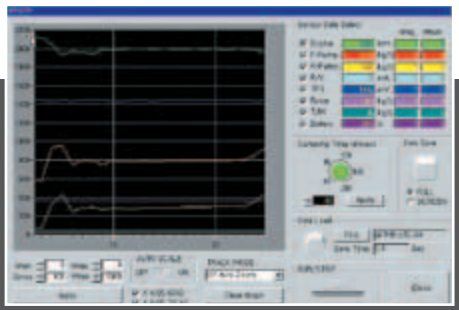
Accessible parts
Access to the various radiators is very easy, making cleaning easier. Engine parts can be easily reached via the top and side panels.



Protective oil return filter
The protection of the hydraulic system is made more effective by the use of glass fibre technology in the main oil return filter. With more than 99.5 % of foreign particles filtered out, the oil change interval is increased.

Air filter
The large capacity forced air cleaner removes over 99 % of airborne particles. This reduces the risk of engine contamination and makes cleaning and cartridge change intervals greater.

Water separator
A highly efficient, high-capacity water separator protects the engine by removing most of the moisture from the fuel.



PC monitoring
A PC monitoring function enables connection to the e-EPOS system. Thus, various parameters can be checked during maintenance, including pump pressures, engine rotation and engine speed. These can be stored and printed for analysis.

Convenient fuse box
The fuse box is located in the storage compartment behind the seat, providing a clean environment and convenient access.

Grouped greasing points
To simplify maintenance, the arm grease inlets have been grouped for easy access.


DOOSAN
DOOSAN

Technical specifications

✱ Engine

• Model

Doosan DB58TIS
4 valves per cylinder, vertical injectors, water cooled, turbo-charged with air to air intercooler. The emission levels are well below the values required for Tier II.

• No. of cylinders

6

• Nominal flywheel power

116 kW (155 HP) at 1900 rpm (SAE J1995, gross)
110 kW (148 HP) at 1900 rpm (SAE J1349, net)

• Max. torque

61.5 kgf/m (603 Nm) at 1400 rpm

• Piston displacement

5785 cm^3

• Bore x stroke

102 mm x 118 mm

• Starter

24 V / 4.5 kW

• Batteries

2 x 12 V / 100 Ah

• Air filter

Double element with auto dust evacuation

✱ Hydraulic system

The brain of the DX225LCA is the e-EPOS (Electronic Power Optimising System). It allows the efficiency of the hydraulic system to be optimised for all working conditions and minimises fuel consumption.

- The hydraulic system enables independent or combined operations
- Two travel speeds offer either increased torque or high speed tracking
- Cross-sensing pump system for fuel savings
- Auto deceleration system
- Two operating modes, two power modes
- Button control of flow in auxiliary equipment circuits
- Computer-aided pump power control

• Main pumps

2 variable displacement axial piston pumps
Max flow: 2 x 206.5 l/min

• Pilot pump

Gear pump
Max flow: 2 x 28.5 l/min

• Maximum system pressure

Boom/Arm/Bucket:
Normal mode: 330 kgf/cm^2 (324 bar)
Power mode: 350 kgf/cm^2 (343 bar)
Travel: 330 kgf/cm^2 (324 bar)
Swing: 270 kgf/cm^2 (264 bar)

✱ Weight

Boom: 5700 mm • Arm: 2900 mm • GP Bucket: SAE 0.92 m^3

	Shoe width (mm)	Operating weight (kg)	Ground pressure (kg/m^2)
Triple grouser	600 (std)	21500	0.45
	700	21800	0.40
	800	22100	0.35
	900	22400	0.31

✱ Undercarriage

Very robust construction. All welded structures designed to limit stresses. High-quality, durable materials. Lateral chassis welded and rigidly attached to undercarriage. Track rollers lubricated for life. Idlers and sprockets fitted with floating seals. Track shoes made of induction-hardened alloy with double grouser. Heat-treated connecting pins. Hydraulic track adjuster with shock absorbing tension mechanism.

• Number of rollers and track shoes per side

Upper rollers: 2 (standard shoes)
Lower rollers: 9
Track shoes: 49
Overall track length: 4445 mm

✱ Hydraulic cylinders

The piston rods and cylinder bodies are made of high-strength steel. A shock absorbing mechanism is fitted in all cylinders to ensure shock-free operation and extend piston life.

Cylinders	Quantity	Bore x rod diameter x stroke (mm)
Boom	2	125 x 85 x 1260
Arm	1	140 x 100 x 1450
Bucket	1	120 x 80 x 1630

✱ Environment

Noise levels comply with environmental regulations (dynamic values).

- **Noise level LwA**

  103 dB(A) (2000/14/EC)
- **Operator LpA**

  73 dB(A) (ISO 6396)

✱ Swing mechanism

- Axial piston motor with two-stage planetary reduction gear.
- Increased swing torque reduces swing time.
- Induction-hardened internal gear.
- Internal gear and pinion immersed in lubricant.
- Spring applied hydraulically released parking brake.
- Max. swing speed: 0 to 11 rpm

✱ Drive

Each track is driven by an independent axial piston motor through a planetary reduction gearbox.
Two levers with control pedals guarantee smooth travel with counter-rotation on demand.

- **Travel speed (fast/slow)**

  5.5 / 3.0 km/h
- **Maximum drawbar pull**

  11700 / 22200 kgf
- **Maximum gradeability**

  35° / 70%

✱ Fluid capacities

- **Fuel tank**

  400 l
- **Cooling system (radiator capacity)**

  24 l
- **Engine oil**

  27 l
- **Swing drive (each)**

  5 l
- **Final drive (each)**

  3.3 l
- **Hydraulic system**

  330 l
- **Hydraulic tank**

  240 l

✱ Buckets

Shoe: 600 mm

Capacity (m^3)		Width (mm)		Weight (kg)	Boom: 5200 mm		Boom: 5700 mm			
PCSA, heaped	CECE, heaped	Without side cutters	With side cutters		Arm: 2000 mm	Arm: 2400 mm	Arm: 2000 mm	Arm: 2400 mm	Arm: 2900 mm	Arm: 3500 mm
0.51	0.47	722	772	830	A	A	A	A	A	A
0.81	0.72	1064	1126	654	A	A	A	A	A	B
0.92 (std)	0.81 (std)	1172	1236	710	A	A	A	A	B	C
1.05	0.92	1308	1370	740	A	A	A	B	C	-
1.17	1.00	1428	1491	795	A	B	B	C	-	-
1.28	1.11	1542	1605	830	B	C	C	-	-	-

A. Suitable for materials with a density less than or equal to 2000 kg/m^3
B. Suitable for materials with a density less than or equal to 1600 kg/m^3
C. Suitable for materials with a density less than or equal to 1100 kg/m^3

✱ Digging forces (ISO)

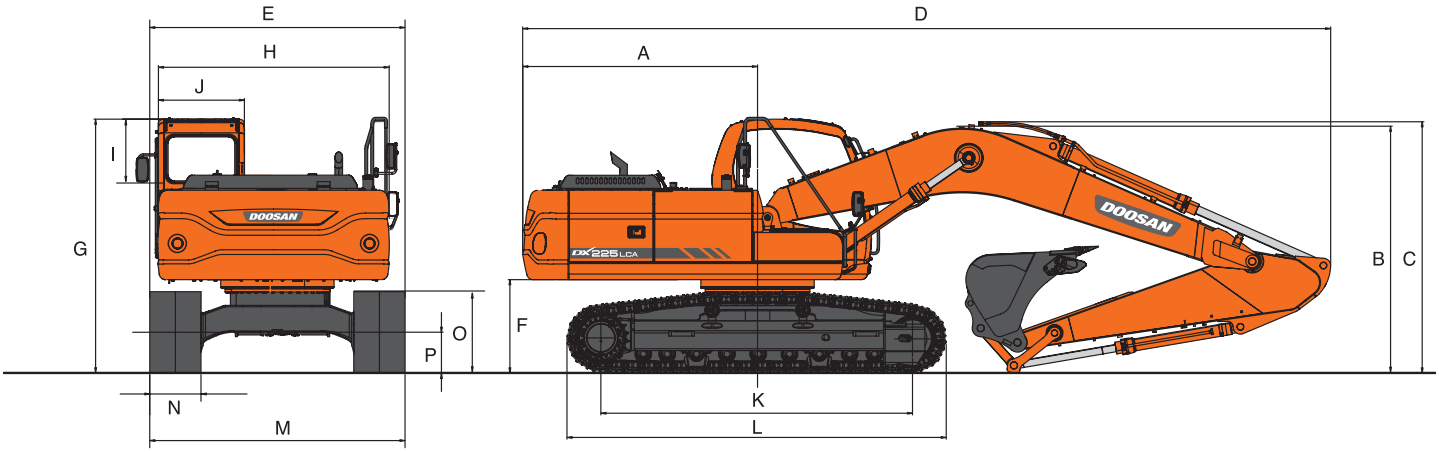
Shoe: 600 mm

Bucket (PCSA) - cm^3		0.51	0.81	0.92 (std)	1.05	1.17	1.28
Digging force	kgf	15200	15200	15200	15200	15200	15200
	kN	149.2	149.2	149.2	149.2	149.2	149.2

Arm - mm		2000	2400	2900 (std)	3500
Digging force	kgf	15300	12600	10800	9700
	kN	150.1	123.7	106.0	95.2

At power boost (ISO)

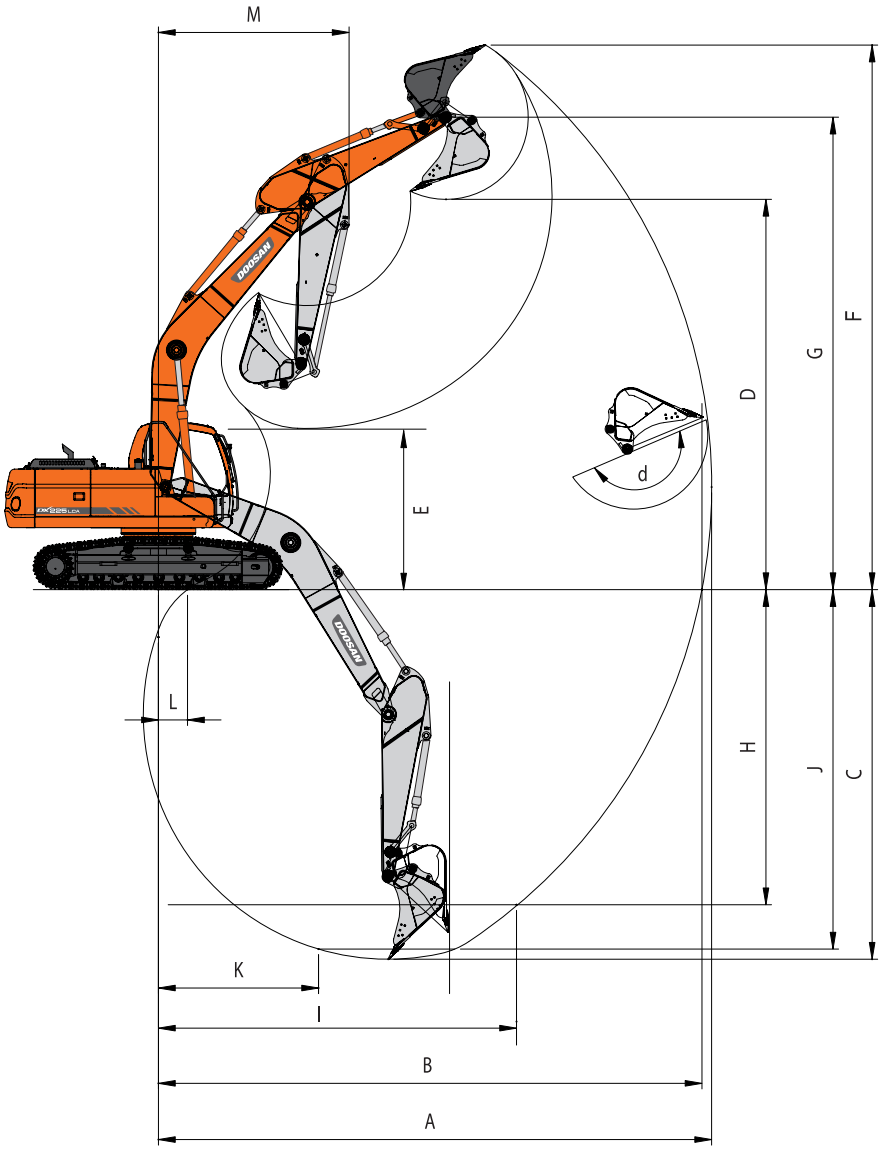
Dimensions



✱ Dimensions

Boom: 5700 mm • Arm: 2900 mm • Shoe: 600 mm

Boom length (1-piece) - mm		5200		5700		
Arm length - mm		2000	2400	2400	2900 (Std)	3500
Bucket capacity (PSCA) - m^3		1.28	1.17	1.05	0.92 (Std)	0.81
A	Tail swing radius - mm	-	-	-	2750	-
B	Shipping height (boom) - mm	3145	2985	3045	2940	3225
C	Shipping height (hose) - mm	3210	3050	3110	3005	3290
D	Shipping length - mm	9080	8990	9500	9485	9500
E	Shipping width - mm	-	-	-	2990	-
F	C/Weight clearance - mm	-	-	-	1055	-
G	Height over cab - mm	-	-	-	2975	-
H	House width - mm	-	-	-	2710	-
I	Cab height above house - mm	-	-	-	845	-
J	Cab width - mm	-	-	-	960	-
K	Tumbler distance - mm	-	-	-	3650	-
L	Track length - mm	-	-	-	4445	-
M	Undercarriage width - mm	-	-	-	2990	-
N	Shoe width - mm	-	-	-	600	-
O	Track height - mm	-	-	-	947	-
P	Car body clearance - mm	-	-	-	480	-

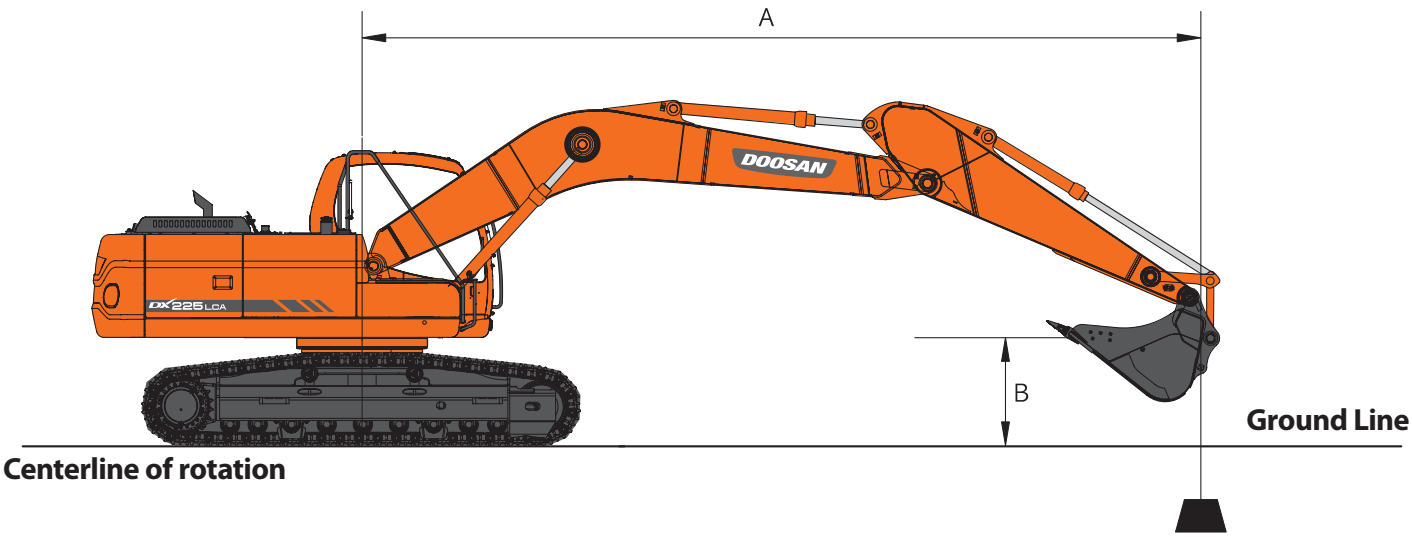


✱ Working range

Boom: 5700 mm • Arm: 2900 mm • Shoe: 600 mm

Boom length (1-piece) - mm		5200		5700		
Arm length - mm		2000	2400	2400	2900 (Std)	3500
Bucket capacity (PSCA) - m^3		1.28	1.17	1.05	0.92 (Std)	0.81
A.	Max. digging reach - mm	8580	8950	9480	9900	10340
B.	Max. digging reach at ground level - mm	8380	8760	9300	9730	10230
C.	Max. digging depth - mm	5355	5755	6110	6620	7220
D.	Max. dumping height - mm	6085	6300	6830	6990	7150
E.	Min. dumping height - mm	3370	3195	3070	2555	1953
F.	Max. digging height - mm	8845	9065	9630	9750	9870
G.	Max. bucket pin height - mm	7555	7770	8299	8450	8612
H.	Max. vertical wall depth - mm	4435	4880	5390	5640	6010
I.	Max. radius vertical - mm	5790	5842	6050	6410	6750
J.	Max. digging depth 8' line - mm	5115	5545	5910	6430	7050
k.	Min. radius 8' line - mm	2495	2510	2880	2865	2830
L.	Min. digging reach - mm	1819	640	1698	519	-224
M.	Min. swing radius - mm	3370	3190	3410	3410	3440
d.	Bucket angle - °	166	166	166	166	166

Lifting capacities



Standard configuration

Boom: 5700 mm - Arm: 2900 mm - Bucket: SAE 0.92 m³ heaped (CECE 0.80 m³) - Shoe: 600 mm

Units: 1000 kg

A (m) / B (m)	2		3		4		5		6		7		8		Max. reach		
																	A (m)
8															*3.42	*3.42	5.94
7															*3.31	*3.31	6.85
6									*4.53	*4.53	*4.39	3.84			*3.30	*3.30	7.51
5									*4.87	*4.87	*4.69	3.79			*3.36	2.99	7.99
4							*5.95	*5.95	*5.37	4.79	*4.99	3.72	*4.50	2.95	*3.48	2.75	8.32
3			*11.94	*11.94	*8.57	*8.57	*6.92	6.19	*5.97	4.64	*5.36	3.62	4.67	2.90	*3.65	2.59	8.52
2			*7.08	*7.08	*10.19	8.36	*7.89	5.93	*6.58	4.49	5.71	3.53	4.61	2.84	*3.89	2.51	8.60
1			*5.62	*5.62	*11.36	8.03	*8.69	5.73	*7.11	4.36	5.61	3.44	4.55	2.79	4.09	2.50	8.56
0 (Ground)	*3.08	*3.08	*6.66	*6.66	*11.94	7.85	*9.21	5.59	7.05	4.26	5.54	3.37	4.51	2.75	4.18	2.54	8.40
-1	*5.53	*5.53	*8.59	*8.59	*12.03	7.77	9.40	5.51	6.98	4.19	5.49	3.33	4.48	2.73	4.39	2.67	8.11
-2	*7.92	*7.92	*11.11	*11.11	*11.71	7.77	*9.28	5.48	6.96	4.17	5.48	3.32			4.76	2.90	7.69
-3	*10.58	*10.58	*14.12	*12.89	*10.99	7.82	*8.81	5.51	6.98	4.19	5.51	3.35			5.41	3.29	7.09
-4	*13.78	*13.78	*12.36	*12.36	*9.77	7.94	*7.86	5.59	*6.29	4.26					*5.86	4.00	6.28
-5			*9.77	*9.77	*7.80	*7.80	*6.10	5.75							*5.85	5.50	5.15

1. Ratings are based on SAE J1097
2. The load point is a hook located on the back of the bucket.
3. * Rated loads are based on hydraulic capacity.
4. Rated loads do not exceed 87% of hydraulic capacity or 75% of tipping capacity.

: Nominal force
: Nominal force at the side or 360°

Option 1

Boom: 5700 mm - Arm: 2400 mm - Bucket: SAE 1.05 m³ heaped (CECE 0.90 m³) - Shoe: 600 mm **Units: 1000 kg**

A (m) / B (m)	2		3		4		5		6		7		8		Max. reach		
	↓	⇥	↓	⇥	↓	⇥	↓	⇥	↓	⇥	↓	⇥	↓	⇥	↓	⇥	A (m)
7									*5.03	4.98					*4.47	*4.47	6.29
6									*5.06	4.96	*4.46	3.80			*4.44	3.79	7.00
5							*5.77	*5.77	*5.37	4.88	*5.13	3.77			*4.51	3.32	7.52
4			*10.28	*10.28	*7.83	*7.83	*6.58	6.36	*5.84	4.76	*5.37	3.70			*4.66	3.03	7.87
3					*9.51	8.64	*7.52	6.12	*6.40	4.62	*5.70	3.62	4.67	2.91	4.59	2.86	8.08
2					*10.98	8.24	*8.41	5.89	*6.95	4.48	5.71	3.54	4.62	2.86	4.47	2.77	8.17
1					*11.86	7.99	*9.07	5.72	7.17	4.37	5.63	3.46	4.58	2.82	4.47	2.75	8.12
0 (Ground)			*5.72	*5.72	*12.14	7.87	*9.43	5.61	7.08	4.29	5.57	3.41			4.59	2.82	7.96
-1	*5.52	*5.52	*8.70	*8.70	*11.96	7.84	9.45	5.56	7.03	4.24	5.54	3.39			4.85	2.98	7.65
-2	*8.80	*8.80	*12.21	*12.21	*11.41	7.87	*9.16	5.56	7.03	4.24	5.56	3.40			5.33	3.27	7.20
-3	*12.33	*12.33	*13.09	*13.09	*10.45	7.95	*8.47	5.61	*6.88	4.29					*6.05	3.78	6.56
-4	*13.90	*13.90	*11.03	*11.03	*8.93	8.10	*7.19	5.72							*6.08	4.77	5.67
-5					*6.36	*6.36									*5.73	*5.73	4.38

Option 2

Boom: 5700 mm - Arm: 3500 mm - Bucket: SAE 0.81 m³ heaped (CECE 0.70 m³) - Shoe: 600 mm **Units: 1000 kg**

A (m) / B (m)	2		3		4		5		6		7		8		9		Max. reach		
	↓	⇥	↓	⇥	↓	⇥	↓	⇥	↓	⇥	↓	⇥	↓	⇥	↓	⇥	↓	⇥	A (m)
8																	*2.97	*2.97	6.61
7											*3.54	*3.54					*2.89	*2.89	7.43
6											*4.04	3.92	*2.98	*2.98			*2.89	*2.89	8.04
5											*4.24	3.86	*3.87	3.05			*2.94	2.72	8.49
4									*4.83	*4.83	*4.57	3.77	*4.39	2.99			*3.03	2.51	8.81
3			*9.80	*9.80	*7.45	*7.45	*6.21	*6.21	*5.46	4.71	*4.97	3.67	*4.64	2.93			*3.18	2.38	9.00
2			*13.13	*13.13	*9.20	8.53	*7.26	6.02	*6.13	4.54	*5.41	3.56	4.63	2.86	*3.62	2.33	*3.38	2.30	9.07
1			*8.04	*8.04	*10.63	8.12	*8.19	5.77	*6.74	4.38	5.63	3.45	4.55	2.79	3.77	2.29	*3.65	2.28	9.03
0 (Ground)	*3.76	*3.76	*7.64	*7.64	*11.54	7.85	*8.87	5.59	7.05	4.25	5.53	3.36	4.49	2.73			3.82	2.31	8.88
-1	*5.45	*5.45	*8.73	*8.73	*11.93	7.71	*9.25	5.47	6.95	4.16	5.46	3.30	4.45	2.69			3.98	2.41	8.61
-2	*7.33	*7.33	*10.55	*10.55	*11.87	7.66	9.30	5.41	6.90	4.12	5.43	3.27	4.44	2.68			4.27	2.58	8.21
-3	*9.47	*9.47	*13.01	12.64	*11.41	7.68	*9.06	5.41	6.90	4.11	5.43	3.28					4.75	2.88	7.66
-4	*12.02	*12.02	*13.59	12.79	*10.51	7.76	*8.40	5.46	*6.83	4.15							5.59	3.39	6.91
-5	*15.24	*15.24	*11.49	*11.49	*9.01	7.91	*7.19	5.57									*5.77	4.36	5.91
-6			*8.30	*8.30	*6.51	*6.51											*5.75	*5.75	4.46

1. Ratings are based on SAE J1097
2. The load point is a hook located on the back of the bucket.
3. * Rated loads are based on hydraulic capacity.
4. Rated loads do not exceed 87% of hydraulic capacity or 75% of tipping capacity.

↓ : Nominal force
⇥: Nominal force at the side or 360°

Lifting capacities

Option 3

Boom: 5200 mm - Arm: 2000 mm - Bucket: SAE 1.28 m³ heaped (CECE 1.10 m³) - Shoe: 600 mm **Units: 1000 kg**

A (m) / B (m)	2		3		4		5		6		7		Max. reach		
															A (m)
7													*5.89	*5.89	4.99
6							*5.82	*5.82					*5.80	5.04	5.87
5							*6.21	*6.21	*5.89	4.82			*5.83	4.23	6.48
4			*10.34	*10.34	*8.08	*8.08	*6.92	6.35	*6.25	4.73			*5.91	3.77	6.88
3					*9.68	8.71	*7.79	6.14	*6.73	4.62	5.79	3.61	5.62	3.50	7.12
2					*11.12	8.35	*8.63	5.94	*7.23	4.51	5.72	3.55	5.45	3.38	7.22
1					*12.00	8.12	*9.26	5.79	7.22	4.41	5.66	3.49	5.45	3.37	7.17
0 (Ground)			*9.19	*9.19	*12.26	8.01	*9.57	5.70	7.15	4.35			5.65	3.48	6.98
-1	*8.39	*8.39	*13.56	13.10	*12.00	7.99	*9.50	5.66	7.12	4.33			6.10	3.74	6.63
-2	*13.15	*13.15	*14.30	13.21	*11.25	8.04	*8.99	5.69	7.15	4.35			6.98	4.25	6.10
-3	*15.73	*15.73	*12.39	*12.39	*9.88	8.16	*7.83	5.78					*7.19	5.27	5.33
-4			*9.39	*9.39	*7.41	*7.41							*7.06	*7.06	4.17

Option 4

Boom: 5200 mm - Arm: 2400 mm - Bucket: SAE 1.28 m³ heaped (CECE 1.10 m³) - Shoe: 600 mm **Units: 1000 kg**

A (m) / B (m)	2		3		4		5		6		7		Max. reach		
															A (m)
7													*4.38	*4.38	5.56
6									*5.31	4.93			*4.31	*4.31	6.36
5							*5.72	*5.72	*5.49	4.88			*4.37	3.82	6.92
4					*7.37	*7.37	*6.46	6.44	*5.90	4.79	*5.57	3.71	*4.53	3.44	7.30
3			*12.40	*12.40	*9.02	8.89	*7.38	6.23	*6.43	4.67	5.83	3.64	*4.78	3.22	7.53
2			*9.97	*9.97	*10.61	8.51	*8.31	6.03	*6.99	4.55	5.75	3.58	5.01	3.11	7.62
1			*7.93	*7.93	*11.73	8.24	*9.06	5.86	7.26	4.45	5.68	3.51	5.02	3.10	7.58
0 (Ground)	*4.31	*4.31	*9.47	*9.47	*12.25	8.09	*9.50	5.74	7.17	4.37	5.63	3.47	5.17	3.19	7.40
-1	*7.70	*7.70	*12.35	*12.35	*12.22	8.03	*9.59	5.69	7.13	4.33	5.62	3.45	5.53	3.40	7.07
-2	*11.15	*11.15	*15.20	13.21	*11.69	8.05	*9.27	5.69	7.13	4.34			6.20	3.80	6.57
-3	*15.22	*15.22	*13.54	13.36	*10.59	8.13	*8.42	5.74					*6.83	4.55	5.86
-4	*14.19	*14.19	*10.97	*10.97	*8.64	8.29							*6.90	6.16	4.84

1. Ratings are based on SAE J1097
2. The load point is a hook located on the back of the bucket.
3. * Rated loads are based on hydraulic capacity.
4. Rated loads do not exceed 87% of hydraulic capacity or 75% of tipping capacity.

: Nominal force
: Nominal force at the side or 360°

Option 5

Boom: 5700 mm - Arm: 2900 mm - Bucket: SAE 0.93 m³ heaped (CECE 0.80 m³) - Shoe: 800 mm **Units: 1000 kg**

A (m) / B (m)	2		3		4		5		6		7		8		9		Max. reach		
	↓	→	↓	→	↓	→	↓	→	↓	→	↓	→	↓	→	↓	→	↓	→	A (m)
8																	*3.42	*3.42	5.94
7																	*3.31	*3.31	6.85
6									*4.53	*4.53	*4.39	3.94			*4.53		*3.30	*3.30	7.51
5									*4.87	*4.87	*4.69	3.89			*4.87		*3.36	3.08	7.99
4							*5.95	*5.95	*5.37	4.92	*4.99	3.82	*4.50	30.4	*5.37		*3.48	2.83	8.32
3			*11.94	*11.94	*8.57	*8.57	*6.92	6.34	*5.97	4.76	*5.36	3.72	4.81	2.98	*5.97		*3.65	2.67	8.52
2			*7.08	*7.08	*10.19	8.57	*7.89	6.09	*6.58	4.61	*5.75	3.63	4.75	2.93	*6.58		*3.89	2.59	8.60
1			*5.62	*5.62	*11.36	8.24	*8.69	5.88	*7.11	4.48	5.78	3.54	4.69	2.87	*7.11		4.22	2.58	8.56
0 (Ground)	*3.08	*3.08	*6.66	*6.66	*11.94	8.06	*9.21	5.74	7.26	4.38	5.70	3.47	4.64	2.83	7.26		4.31	2.63	8.40
-1	*5.53	*5.53	*8.59	*8.59	*12.03	7.98	*9.41	5.66	7.19	4.32	5.66	3.43	4.62	2.81	7.19		4.53	2.75	8.11
-2	*7.92	*7.92	*11.11	*11.11	*11.71	7.98	*9.28	5.64	7.16	4.29	5.65	3.42			7.16		4.91	2.99	7.69
-3	*10.58	*10.58	*14.12	13.22	*10.99	8.04	*8.81	5.66	7.19	4.31	5.68	3.45			7.19		5.57	3.39	7.09
-4	*13.78	*13.78	*12.36	*12.36	*9.77	8.15	*7.86	5.74	*6.29	4.39					*6.29		*5.86	4.11	6.28
-5			*9.77	*9.77	*7.80	*7.80	*6.10	5.90									*5.85	5.65	5.15

Option 6

Boom: 5700 mm - Arm: 2400 mm - HD Bucket: SAE 1.05 m³ heaped (CECE 0.90 m³) - Shoe: 800 mm **Units: 1000 kg**

A (m) / B (m)	2		3		4		5		6		7		8		Max. reach		
	↓	→	↓	→	↓	→	↓	→	↓	→	↓	→	↓	→	↓	→	A (m)
7									*5.03	*5.03					*4.47	*4.47	6.29
6									*5.06	*5.06	*4.46	3.90			*4.44	3.89	7.00
5							*5.77	*5.77	*5.37	5.00	*5.13	3.87			*4.51	3.42	7.52
4			*10.28	*10.28	*7.83	*7.83	*6.58	6.51	*5.84	4.88	*5.37	3.80			*4.66	3.12	7.87
3					*9.51	8.85	*7.52	6.27	*6.40	4.74	*5.70	3.72	4.81	2.99	4.73	2.94	8.08
2					*10.98	8.45	*8.41	6.04	*6.95	4.60	5.88	3.64	4.76	2.95	4.61	2.85	8.17
1					*11.86	8.20	*9.07	5.87	7.37	4.49	5.80	3.56	4.72	2.90	4.61	2.84	8.12
0 (Ground)			*5.72	*5.72	*12.14	8.08	*9.43	5.76	7.28	4.41	5.74	3.51			4.73	2.90	7.96
-1	*5.52	*5.52	*8.70	*8.70	*11.96	8.05	*9.46	5.71	7.24	4.36	5.71	3.49			5.00	3.07	7.65
-2	*8.80	*8.80	*12.21	*12.21	*11.41	8.08	*9.16	5.71	7.24	4.36	5.72	3.50			5.49	3.36	7.20
-3	*12.33	*12.33	*13.09	*13.09	*10.45	8.16	*8.47	5.77	*6.88	4.41					*6.05	3.89	6.56
-4	*13.90	*13.90	*11.03	*11.03	*8.93	8.31	*7.19	5.88							*6.08	4.90	5.67
-5					*6.36	*6.36									*5.73	*5.73	4.38

1. Ratings are based on SAE J1097
2. The load point is a hook located on the back of the bucket.
3. * Rated loads are based on hydraulic capacity.
4. Rated loads do not exceed 87% of hydraulic capacity or 75% of tipping capacity.

↓ : Nominal force
→: Nominal force at the side or 360°

Lifting capacities

Option 7

Boom: 5700 mm - Arm: 3500 mm - Bucket: SAE 1.05 m³ heaped (CECE 0.90 m³) - Shoe: 800 mm

Units: 1000 kg

A (m) / B (m)	2		3		4		5		6		7		8		9		Max. reach		
																			A (m)
8																	*2.97	*2.97	6.61
7											*3.54	*3.54					*2.89	*2.89	7.43
6											*4.04	4.02	*2.98	*2.98			*2.89	*2.89	8.04
5											*4.24	3.96	*3.87	3.13			*2.94	2.80	8.49
4									*4.83	*4.83	*4.57	3.87	*4.39	3.08			*3.03	2.59	8.81
3			*9.80	*9.80	*7.45	*7.45	*6.21	*6.21	*5.46	4.83	*4.97	3.77	*4.64	3.01			*3.18	2.45	9.00
2			*13.13	*13.13	*9.20	8.74	*7.26	6.17	*6.13	4.66	*5.41	3.66	4.77	2.94	*3.62	2.41	*3.38	2.37	9.07
1			*8.04	*8.04	*10.63	8.33	*8.19	5.93	*6.74	4.50	5.79	3.55	4.69	2.87	*3.78	2.37	*3.65	2.35	9.03
0 (Ground)	*3.76	*3.76	*7.64	*7.64	*11.54	8.06	*8.87	5.74	*7.23	4.37	5.70	3.46	4.63	2.82			3.94	2.39	8.88
-1	*5.45	*5.45	*8.73	*8.73	*11.93	7.92	*9.25	5.62	7.16	4.28	5.63	3.40	4.59	2.78			4.11	2.48	8.61
-2	*7.33	*7.33	*10.55	*10.55	*11.87	7.87	*9.32	5.57	7.11	4.24	5.60	3.37	4.58	2.77			4.40	2.66	8.21
-3	*9.47	*9.47	*13.01	12.97	*11.41	7.89	*9.06	5.57	7.10	4.23	5.60	3.38					4.90	2.97	7.66
-4	*12.02	*12.02	*13.59	13.12	*10.51	7.97	*8.40	5.62	*6.83	4.28							*5.60	3.49	6.91
-5	*15.24	*15.24	*11.49	*11.49	*9.01	8.12	*7.19	5.73									*5.77	4.48	5.91
-6			*8.30	*8.30	*6.51	*6.51											*5.75	*5.75	4.46

1. Ratings are based on SAE J1097
2. The load point is a hook located on the back of the bucket.
3. * Rated loads are based on hydraulic capacity.
4. Rated loads do not exceed 87% of hydraulic capacity or 75% of tipping capacity.

: Nominal force
: Nominal force at the side or 360°

Standard and optional equipment

DX225LCA

✱ Standard equipment

• Hydraulic system

- Boom and arm flow regeneration
- Boom and arm holding valves
- Spare ports (valve)
- One-touch power boost

• Cab and interior

- Viscous cab mounts
- All weather sound-suppressed cab
- Air conditioner and heater
- Adjustable suspension seat with headrest and adjustable armrest
- Pull-up type front window and removable lower front window
- Room light
- Intermittent windshield wiper
- Cigarette lighter and ashtray
- Cup holder
- Hot and cool box
- LCD colour monitor
- Engine speed (rpm) control dial
- AM/FM radio
- Remote radio on/off switch
- 12V spare power socket
- Serial communication port for laptop PC interface
- Joystick lever with 3 switches
- Sun visor
- Sunroof

• Safety

- Large handrails and step
- Convex metal anti-slip plates
- Seat belt
- Hydraulic safety lock lever
- Safety glass
- Hammer for emergency escape
- Right and left rear view mirrors
- Travel alarm
- Battery protection cover

• Other

- Double element air cleaner
- Water separator
- Fuel filter
- Dust screen for radiator/oil cooler
- Engine overheat prevention system
- Engine restart prevention system
- Self-diagnostic system
- Alternator (24 V, 50 A)
- Electric horn
- Halogen working lights (1 frame mounted, 2 boom mounted)
- Hydraulic track adjuster
- Track guards
- Greased and sealed track link
- Hydraulic oil tank air breather filter

✱ Optional equipment

• Safety

- Boom and arm hose rupture protection valve
- Overload warning device
- Cabin top/front guard (ISO 10262, FOGS standard)
- Travel and swing alarm
- Rotating beacon
- Lock valve

• Cab and interior

- Air suspension seat
- MP3/CD player
- Cassette player
- Rain shield

• Other

- Piping for crusher
- Piping for quick clamp
- Piping option
  - Breaker with flow control valve
  - Crusher
  - Crusher with tilting
  - Rotating
  - Clamshell
  - Quick Clamp
- 700 mm / 800 mm / 900 mm shoe
- Lower wiper
- Fuel heater
- 80 A alternator
- Fuel filler pump
- Working Lights
  - 4-front/2-rear on cabin
  - 2-front on cabin
  - 1 on counterweight
- Counterweight

Some of these equipment options may be standard in some markets. Some of these equipment options may not be available for certain markets.
Please check with your local DOOSAN dealer for more information about availability or to adapt your machine to your application needs.

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Engines

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