DX300LCA

Engine Power : SAE J1349, net 147kW(197HP)@1,900rpm
Operational Weight : 29,600kg(65,257 lb) - STD.
Bucket capacity(SAE) : 0.80 ~ 1.75m³(1.05 ~ 2.29 cu.yd)



Hydraulic Excavator
DX 300LCA

A New Model Doosan DX 300 LCA Hydraulic Excavator :

The new DX300LCA hydraulic excavator has all the advantages of the previous model, and now offers additional added value to the operator. The new DX300LCA was developed with the concept of "providing optimum value to the end user." In concrete terms, this translates, into : Improved ergonomics, increases comfort and excellent all round visibility ensuring a safe and pleasant working environment. Improved reliability is achieved through the use of high performance materials combined with new methods of structural stress analysis, and leads to increased component life expectancy, thus reducing running costs. Reduced maintenance increases the availability and reduces operating costs of the excavator.





Performance



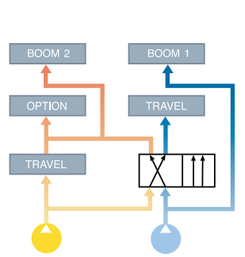
This hydraulic excavator is equipped with the air-to-air intercooler engine, which has the greatest power output in its class and excellent fuel economy. It assures outstanding workability, productivity, and efficiency through the e-EPOS system, the new and improved version of EPOS SYSTEM. This will assure increase in operating capacity and decrease in fuel consumption.

DOOSAN DX 300LCA ENGINE

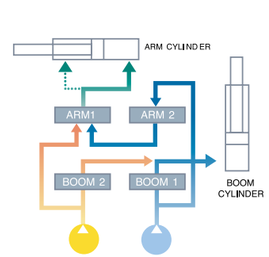
Maker & Model	DOOSAN DE08TIS
Barometic Pressure	760 mmHg (20°C)
Cooling Fan	ø711 , 9-BLADE, SUCKER
Alternator	24V x 50A
Air Cleaner	Installed
Muffler	Installed
Performance Standard	KS-R1004
Power (Max , Rated)	200 PS/ 1900 rpm
Max. Torque	86 kg.m/ 1300 rpm
Fuel Consumption (Max , Rated)	165 g/ps.h

Air to Air Intercooler Engine
Greatest power output and high-efficiency engine in it's class.

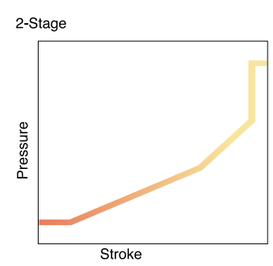
Environmentally friendly, Green engine. This machine is equipped with the engine meeting the U.S. EPA Tier-II Regulations and European stage-II Regulations requiring the reduction of harmful NOx, PM, HC, and CO emissions. Compatible with the European New Noise Control Requirements



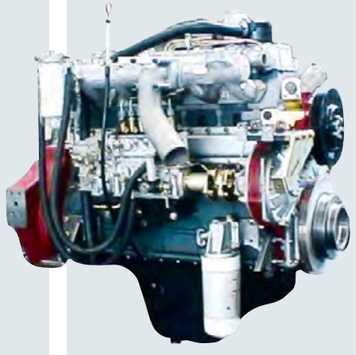
Advanced hydraulic circuit seperates the oil flow for travel and boom function to allow precise and safe operation when handling loads during travel.



The circuits for the boom, arm, and bucket have been improved to assure smooth and confident control during combination.



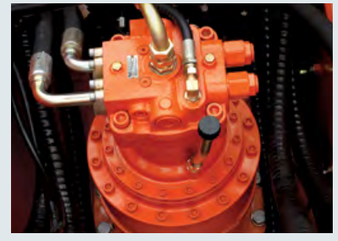
New technologically advanced control valve and joystick valves have been installed to allow speedy, smooth and responsive control.





Hydraulic Pump

The Main pump has a capacity of 2x247 ℓ /min reducing cycle time while a high capacity gear pump improves pilot line efficiency.



Swing Drive

Shocks during rotation are minimized, while increased torque is available to ensure rapid cycles.

Comfort

The work rate of the hydraulic excavator is directly linked to the performance of its operator. DOOSAN designed the DX 300LCA by putting the operator at the center of the development goals. The result is significant ergonomic value that improves the efficiency and safety of the operator.



Control panel

More space, better visibility, air conditioning,a very comfortable seat... These are all elements that ensure the operator can work for hours and hours in excellent conditions.





Air suspension seat (Opt.)

Equipped with various functions of adjustment forth and back and, and lumbar support, it reduces the vibration of equipment transmitted during work in an effective way. Also for considering winter working environment, Seat warmer functions equipped.





Comfortable 2-stage sliding seat

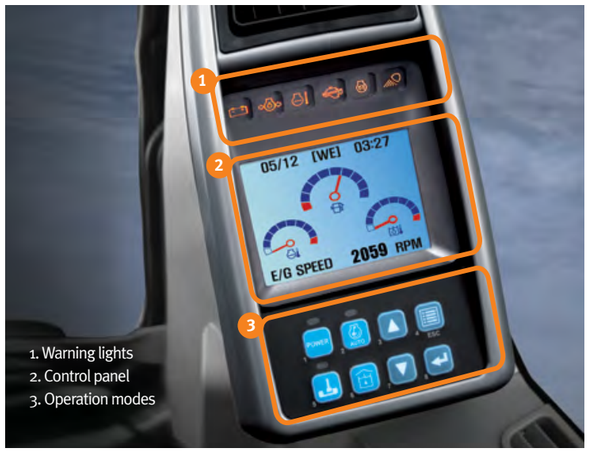


Control stand (Telescopic Function)



Control lever

Very precise control of the equipment increases versatility, safety and facilitates tricky operations requiring great precision. Leveling operations and particularly the movement of suspended loads are made easier and safer. The control levers have additional electrical buttons for controlling other additional equipment (for example, grabs, crushers, grippers, etc.)

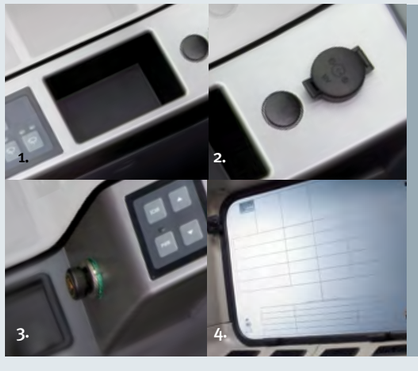


Choice of operating modes

Power mode
- Standard : uses 81% engine power for all work
- Power : uses 109% engine power for heavy work
- Economy : 78% engine power

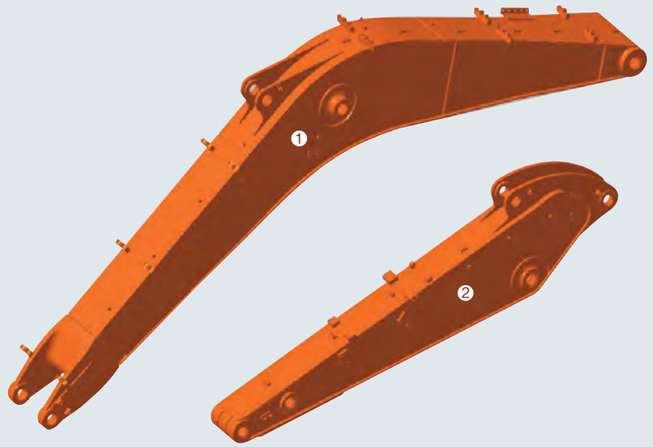
Rear Camera





1. Cellular phone box
2. 12V Power socket
3. Cigarette lighter
4. Glass antenna

Reliability & Maintenance



The reliability of a product contributes to its overall lifetime operating costs.

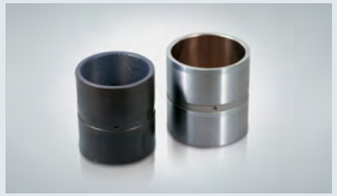
Doosan uses computer- assisted design techniques, highly durable materials and a quality engineered structure. Our research and development engineers test all product under the most extreme conditions. Durability,reliability and product longevity are Doosan's top priorities.

❶ Strengthened Boom

The shape of the boom has been optimized by finite elements design, allowing uniform load distribution throughout the structure. This combined with increased material thickness means improved durability and reliability by limiting element fatigue.

❷ Arm Assembly

In the arm assembly greater strength has been gained by using cast elements and reinforcement around the bosses to give it an increased lifetime.



Bushing

A highly lubricated metal is used for the boom pivot in order to increase the lifetime and extend the greasing intervals to 250 hours.



Ultra-hard wear-resistant disc

New materials have been used in order to increase the wear resistance and to increase the service intervals.



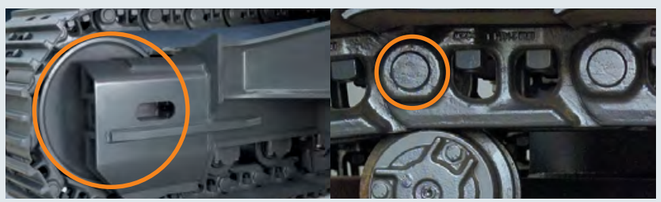
X-chassis

The X-chassis frame section has been designed using finite element and 3-dimensional computer simulation



Bucket

Highly wear-resistant materials are used for the most susceptible elements such as the blades, teeth, rear and lateral reinforcement plates and corners of the bucket.

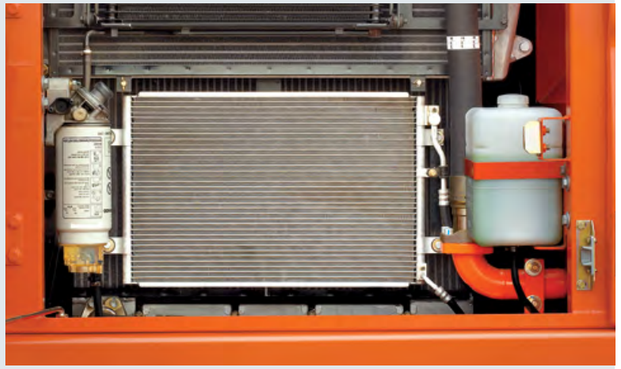


Integrated Track Spring and Idler

The track spring and the idler have been joined directly to achieve high durability and improved maintenance convenience.

Tracks

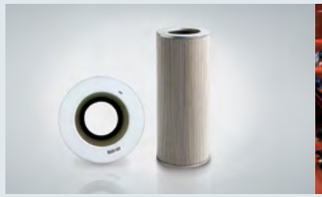
The chain is composed of self-lubricating sealed links isolated from all external contamination. The tracks are locked by mechanically bolted pins.



Easy maintenance

Access to the various radiators and coolers is very easy, making cleaning easier. Access to the various parts of the engine is from the top and via side panels.

DOOSAN has developed the DX 300LCA profitability with end-user in mined. Easy maintenance operations at long intervals increase the availability of the equipment on site.



Hydraulic oil return filter

The protection of the hydraulic system is more effective,using glass fiber filter technology in the main oil return filter.



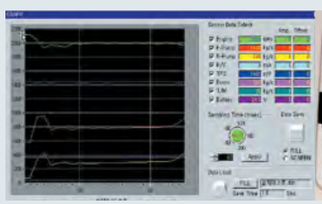
Air cleaner

The large capacity forced air cleaner removes over 99% of airborne particles, reducing the risk of engine contamination and making the cleaning and cartridge change intervals greater.



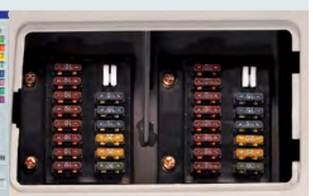
Fuel pre-filter

High efficiency fuel filtration is attained by the use of multiple filters, including a fuel pre-filter fitted with a water separator that removes most moisture from the fuel.



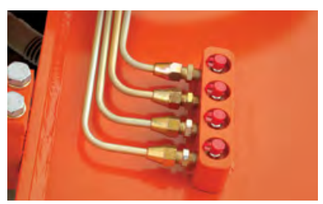
PC Monitoring (DMS)

A PC monitoring function enables connection to the e-EPOS system, allowing various parameters to be checked during maintenance



Convenient Fuse Box

The fuse box is conveniently located in a section of the storage compartment behind the operator's seat providing a clean environment and easy access.



Centralized grease inlets for easy maintenance

The arm grease inlets are grouped for easy access.

Hydraulic Excavator
DX300LCA





Technical Specification

DX300LCA

Engine

MODEL
Doosan DEo8TIS

TYPE
Water-Cooled, Direct Injection

NUMBER OF CYLINDERS
6

RATED HORSE POWER
200 PS @ 1900rpm (KS R1004)
147 kW (200 PS) @ 1,900 rpm (DIN 6271)
147 kW (197 HP) @ 1,900 rpm (SAE J1349)

MAX TORQUE
86 kgf.m @ 1,300 rpm

PISTON DISPLACEMENT
8,071cc

BORE & STROKE
Ø111mm x 139 mm

STARTING MOTOR
24 V x 6.0 kW

BATTERIES
12 V x 2/150 AH

AIR CLEANER
Double element and pre-filtered Turbo with auto dust evacuation.

Hydrauric System

The heart of the system is the e-EPOS (Electronic Power Optimizing System). It allows the efficiency of the system to be optimized for all working conditions and minimizes fuel consumption. The new e-EPOS is connected to the engine electronic control via a data transfer link to harmonize the operation of the engine and hydraulics.

- 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
Tandem, Axial Piston
max flow : 2-247 ℓ /min
Displacement : 131 cc/rev
weight : 130kg

PILOT PUMP
Gear pump - max flow : 28.5 ℓ /min
Pilot pump : 15 cc/rev
Relief valve pressure : 40 kgf/cm^2

MAIN RELIEF PRESSURE
Boom/Arm/Bucket
Working, Travel - 330 [+10~0] kg/cm^2
Pressure up - 350 [+10~0] kg/cm^2

Weight

TRIPLE GROUSER

Shoe width	Ground pressure	Machine Weight
(STD)600G mm	0.56 kgf/cm^2	29.3 ton
(OPT)700G mm	0.49 kgf/cm^2	29.9 ton
(OPT)800G mm	0.43 kgf/cm^2	30.2 ton
(OPT)850G mm	0.41 kgf/cm^2	30.4 ton
(OPT)600DG mm	0.57 kgf/cm^2	29.9 ton

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
Boom	2	140 X 95 X 1,440mm
Arm	1	150 X 105 X 1,755mm
Bucket	1	140 X 90 X 1,150mm
SLR Bucket	1	95 X 65 X 885mm

Undercarriage

Chassis are of very robust construction, all welded structures are designed to limit stresses. High-quality material used for durability. Lateral chassis welded and rigidly attached to the undercarriage. Track rollers lubricated for life, idlers and sprockets fitted with floating seals. Tracks shoes made of induction-hardened alloy with triple grousers. Heat-treated connecting pins. Hydraulic track adjuster with shock-absorbing tension mechanism

UPPER ROLLERS(STANDARD SHOE) - 2
LOWER ROLLERS - 9
TRACK SHOES - 48
OVERALL TRACK LENGTH - 4,050mm

Swing Mechanism

High-torque, axial piston motor with planetary reduction gear bathed in oil. Swing circle is singlerow, shear type ball bearing with induction-hardened internal gear. Internal gear and pinion gear immersed in lubricant.

SWING SPEED - 0 to 9.9 rpm
MAX. SWING TORQUE - 10363 kgf.m (EFF.=0.913)
MAX. SWING TORQUE - 10070 kgf.m (EFF.=0.84)

Drive

Each track is driven by an independent, high-torque, axial piston motor through planetary reduction gear. Two levers or foot pedal control provide smooth travel or counter-rotation upon demand.

TRAVEL SPEED (HIGH/LOW) - 3.0/5.1km/h (EFF.=98.5/97.7%)
MAXIMUM TRACTION FORCE - 25.2 / 13.7 ton (EFF.=76.5/71.2%)
GRADEABILITY - 70%

Refill Capacities

FUEL TANK - 500 ℓ
COOLING SYSTEM (RADIATOR CAPACITY) - 35 ℓ
ENGINE OIL - 31.5 ℓ
SWING DRIVE(EACH) - 6 ℓ
FINAL DRIVE(EACH) - 2x7 ℓ
HYDRAULIC TANK - 280 ℓ

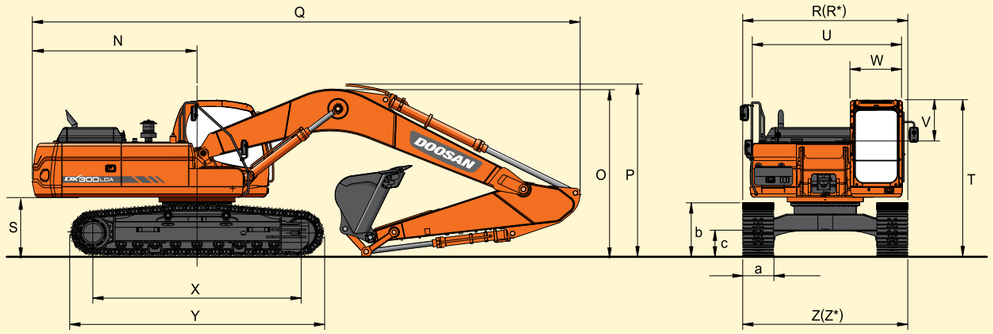
Bucket

					Recommendation					
					C/W (ton)	5.3				5.9
					SHOE (mm)	600				800
Bucket Type	Capacity(m^3) SAE/PCSA	Width W/O Cutter	Radius	Weight	6.245m Boom			6.245m HD Boom		10m Boom
					2.5m Arm	3.1m Arm	3.75m Arm	2.85m HD Arm	3.1m HD Arm	7m Arm
GP	0.64m^3	1,083 mm	1,220 mm	423 kg	X	X	X	X	X	C
	0.80m^3	962 mm	1,602 mm	847 kg	A	A	A	A	A	X
	1.05m^3	1,172 mm	1,602 mm	971 kg	A	A	A	A	A	X
	1.27m^3	1,376 mm	1,602 mm	1,090 kg	A	A	A	A	A	X
	1.50m^3	1,582 mm	1,602 mm	1,199 kg	A	B	C	A	B	X
	1.75m^3	1,792 mm	1,602 mm	1,301 kg	B	C	D	C	C	X
H Class	1.04m^3	1,050 mm	1,553 mm	944 kg	A	A	A	A	A	X
	1.23m^3	1,200 mm	1,553 mm	1,020 kg	A	A	A	A	A	X
	1.47m^3	1,400 mm	1,553 mm	1,122 kg	A	B	B	A	B	X
	1.60m^3	1,500 mm	1,553 mm	1,172 kg	A	B	C	B	B	X
	1.72m^3	1,600 mm	1,553 mm	1,243 kg	B	C	C	B	C	X

Based on ISO 10567 and SAE J296, arm length without quick change clamp
A : Suitable for materials with density of 2,100kg/m^3 (3,500lb/yd^3) or less
B : Suitable for materials with density of 1,800kg/m^3 (3,000lb/yd^3) or less
C : Suitable for materials with density of 1,500kg/m^3 (2,500lb/yd^3) or less
D : Suitable for materials with density of 1,200kg/m^3 (2,000lb/yd^3) or less
X : Not recommended

This bucket recommendation is based on machine stability considering the tipping load with certain density of handling material, and should be strictly followed. It's more recommendable to use a smaller size of bucket than recommendation under the severe working condition and application to avoid the durability risks.

Dimensions



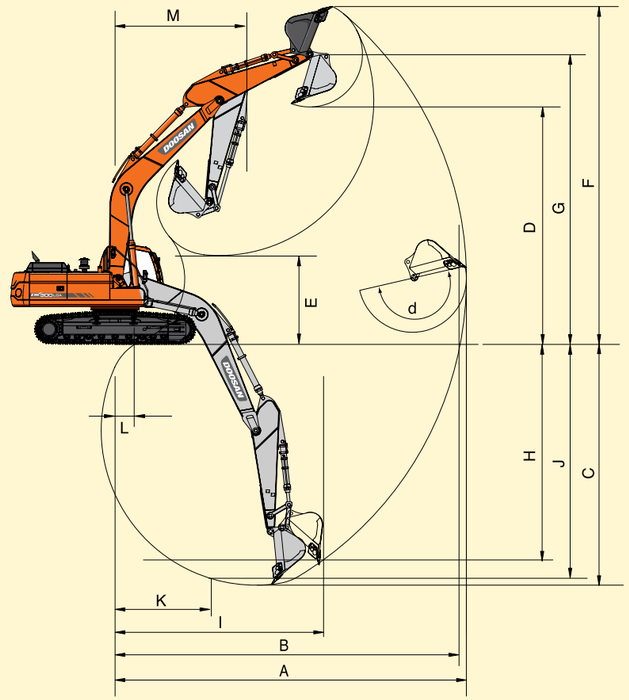
Standard

Dimensions (6,245mm(20'6")Boom, 3,100mm(10'2")Arm, 600mm(24")shoe)

Boom Type (One Piece)	(mm)		6,245			10,000
Arm Type	(mm)		3,100	2,500	3,750	7,000
Bucket Type (pcsa)	(m^3)		1.27	1.51	1.03	0.64
Tail Swing Radius	(mm)	N	3,200	→	→	→
Shipping Height (Boom)	(mm)	O	3,250	3,369	3,366	3,427
Shipping Height (Hose)	(mm)	P	3,365	3,475	3,490	3,455
Shipping Length	(mm)	Q	10,625	10,740	10,660	14,370
Shipping Width (Std.)	(mm)	R	3,200	→	→	→
C/Weight Clearance	(mm)	S	1,150	→	→	→
Height Over Cab.	(mm)	T	3,065	→	→	→
House Width	(mm)	U	2,960	→	→	→
Cab. Height Above House	(mm)	V	845	→	→	→
Cab. Width	(mm)	W	1,010	→	→	→
Tumbler Distance	(mm)	X	4,040	→	→	→
Track Length	(mm)	Y	4,940	→	→	→
Undercarriage Width (Std.)	(mm)	Z	3,200	→	→	3,400
Shoe Width	(mm)	a	600	→	→	800
Track Height	(mm)	b	1,048	→	→	→
Car Body Clearance	(mm)	c	500	→	→	→

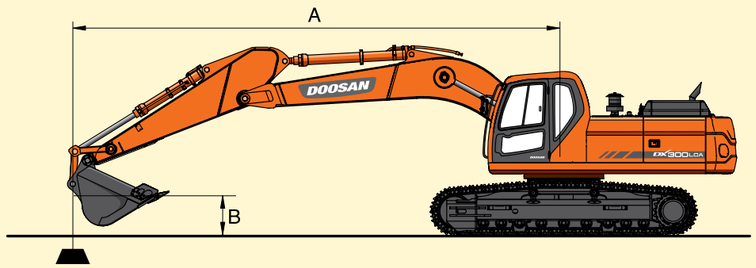
Working Range

DX300LCA



Boom Type (One Piece)	(mm)		6,245			10,000
Arm Type	(mm)		3,100	2,500	3,750	7,000
Bucket Type (pcsa)	(m^3)		1.27	1.51	1.03	0.64
MAX. digging reach	(mm)	A	10,745	10,170	11,270	17,520
Max. digging reach (ground)	(mm)	B	10,550	9,965	11,085	17,405
MAX. digging depth	(mm)	C	7,360	6,760	8,010	13,855
Max. loading height	(mm)	D	7,260	6,930	7,365	11,930
Min. loading height	(mm)	E	2,720	3,325	2,070	2,310
Max. digging height	(mm)	F	10,330	9,970	10,410	14,175
Max. bucket pin height	(mm)	G	8,845	8,545	8,980	13,185
Max. vertical wall depth	(mm)	H	6,190	5,405	6,670	11,610
Max. radius vertical	(mm)	I	6,810	6,870	7,045	10,905
Max. digging depth 8´ line	(mm)	J	7,165	6,525	7,830	13,720
Min. radius 8´ line	(mm)	K	2,990	2,965	2,925	5,090
Min. digging reach	(mm)	L	595	1,975	-350	1,055
Min. swing radius	(mm)	M	4,054	4,060	4,060	6,125
Bucket angle	(deg)	d	175	175	174	169

Lifting Capacity



Standard

Boom : 6,245mm(20'6") Arm : 3,100mm(10'2") Bucket : SAE 1.27m3 HEAPED(CECE 1.1m3) Shoe : 600mm(24")

Metric

Unit : 1,000kg

A(m) / B(m)	2		3		4		5		6		7		8		9		Max. Reach		
																			A(m)
8											* 4.01	* 4.01					* 3.77	* 3.77	7.09
7											* 4.87	* 4.87					* 3.65	* 3.65	7.83
6											* 5.05	* 5.05	* 4.90	4.57			* 3.62	* 3.62	8.39
5									* 5.71	* 5.71	* 5.42	* 5.42	* 5.26	4.48			* 3.66	* 3.66	8.81
4							* 7.39	* 7.39	* 6.50	* 6.50	* 5.93	5.53	* 5.57	4.34	* 4.19	3.44	* 3.77	3.37	9.09
3			* 14.80	* 14.80	* 11.31	* 11.31	* 8.80	* 8.80	* 7.39	6.85	* 6.52	5.29	* 5.95	4.18	* 5.21	3.35	* 3.96	3.16	9.25
2			* 8.28	* 8.28	* 16.51	12.18	* 10.16	8.62	* 8.29	6.48	* 7.13	5.05	* 6.36	4.03	5.63	3.25	* 4.22	3.04	9.31
1			* 8.55	* 8.55	* 15.04	11.52	* 11.27	8.16	* 9.07	6.17	* 7.68	4.84	6.73	3.88	5.53	3.16	* 4.58	3	9.25
0			* 10.41	* 10.41	* 15.85	11.17	* 12.04	7.86	* 9.67	5.94	* 8.12	4.68	6.6	3.77	5.45	3.09	* 5.09	3.04	9.09
-1	* 9.86	* 9.86	* 12.81	* 12.81	* 16.10	11.03	* 12.44	7.69	* 10.05	5.8	8.06	4.56	5.51	3.69			5.6	3.16	8.8
-2	* 12.52	* 12.52	* 15.62	* 15.62	* 15.92	11.01	* 12.50	7.63	* 10.16	5.73	8	4.51	6.48	3.66			6.03	3.41	8.39
-3	* 15.38	* 15.38	* 18.96	* 18.96	* 15.35	11.1	* 12.20	7.65	* 9.98	5.74	8.01	4.52					6.75	3.83	7.83
-4	* 18.63	* 18.63	* 18.47	* 18.47	* 14.32	11.28	* 11.49	7.77	* 9.40	5.82	* 7.71	4.62					* 7.58	4.54	7.08
-5	* 21.88	* 21.88	* 16.11	* 16.11	* 12.65	11.58	* 10.18	7.99	* 8.16	6.03							* 8.02	5.92	6.07
-6			* 12.53	* 12.53	* 9.89	* 9.89											* 8.45	* 8.45	4.64

Feet

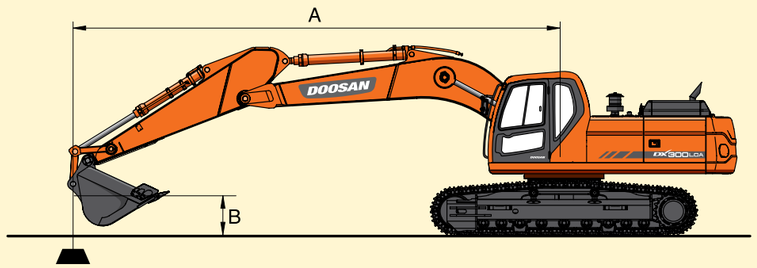
Unit : 1,000ld

A(ft) / B(ft)	10		15		20		25		30		Max. Reach		
													A(ft)
25											* 8.19	* 8.19	24.25
20							* 11.09	* 11.09			* 7.98	* 7.98	27.38
15					* 13.19	* 13.19	* 12.03	10.69			* 7.16	7.79	29.33
10	* 35.84	* 35.84	* 21.15	* 21.15	* 15.98	14.75	* 13.49	10.09	* 9.90	7.16	* 8.69	6.99	30.34
5	* 18.69	* 18.69	* 26.47	21.2	* 18.81	13.61	* 15.06	9.48	* 11.72	6.86	* 9.65	6.65	30.5
0	* 23.48	* 23.48	* 29.62	19.9	* 20.94	12.79	15.74	9			* 11.23	6.7	29.81
-5	* 31.83	* 31.83	* 30.53	19.44	* 21.95	12.37	15.45	8.74			* 12.78	7.21	28.23
-10	* 42.74	40.6	* 29.50	19.53	* 21.57	12.34	15.49	8.78			* 14.97	8.49	25.58
-15	* 37.50	* 37.50	* 26.16	20.1	* 19.04	12.75					* 17.26	11.5	21.44
-20											* 18.69	* 18.69	14.65

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3. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.

: Rating Over Front
: Rating Over Side or 360 degree

DX300LCA



Option 1

Boom : 6,245mm(20'6") Arm : 2,500mm(8'2") Bucket : SAE 1.51m3 HEAPED(CECE 1.3m3) Shoe : 600mm(24")

Metric

Unit : 1,000kg

A(m) / B(m)	2		3		4		5		6		7		8		Max. Reach		
																	A(m)
8															* 5.64	* 5.64	6.22
7													* 5.64	* 5.64		* 5.65	* 5.65	7.07
6													* 5.91	* 5.91	* 5.74	* 5.74	* 5.73	4.86	7.69
5									* 7.16	* 7.16	* 6.49	* 6.49	* 6.07	5.67	* 5.86	4.42	* 5.84	4.28	8.13
4					* 10.49	* 10.49	* 8.42	* 8.42	* 7.26	7.1	* 6.55	5.47	* 6.11	4.31	* 6.00	3.89	8.44
3					* 12.92	12.66	* 9.78	8.97	* 8.11	6.74	* 7.09	5.25	* 6.45	4.17	6.18	3.64	8.62
2					* 14.86	11.8	* 11.02	8.45	* 8.92	6.41	* 7.63	5.04	* 6.80	4.04	6.01	3.5	8.68
1					* 15.90	11.35	* 11.94	8.08	* 9.60	6.15	* 8.11	4.86	6.76	3.92	5.99	3.46	8.62
0					* 16.23	11.17	* 12.48	7.86	* 10.06	5.97	8.23	4.72	6.66	3.83	6.12	3.52	8.44
-1	* 10.62	* 10.62	* 13.61	* 13.61	* 16.12	11.14	* 12.65	7.76	* 10.29	5.87	8.14	4.65	6.61	3.79	6.45	3.7	8.13
-2	* 14.38	* 14.38	* 17.67	* 17.67	* 15.65	11.21	* 12.49	7.76	* 10.23	5.85	8.13	4.63			7.04	4.04	7.68
-3	* 18.24	* 18.24	* 18.80	* 18.80	* 14.80	11.35	* 11.95	7.84	* 9.83	5.9	* 8.14	4.69			* 8.04	4.63	7.06
-4	* 22.24	* 22.24	* 16.88	* 16.88	* 13.44	1166	* 10.92	8.02	* 8.91	6.06					* 8.49	5.74	6.22
-5			* 14.00	* 14.00	* 11.27	* 11.27	* 9.0	8.34							* 8.94	8.25	5.04
-6																	

Feet

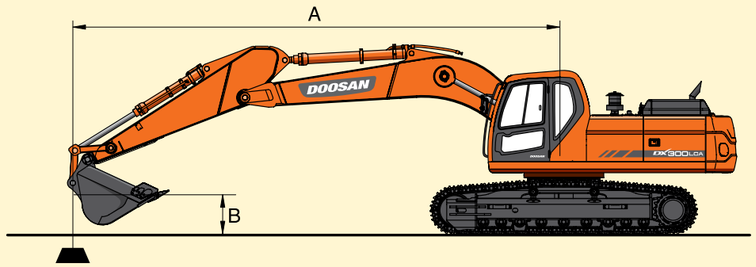
Unit : 1,000ld

A(ft) / B(ft)	10		15		20		25		Max. Reach		
											A(ft)
25									* 12.42	* 12.42	21.51
20					* 12.88	* 12.88	* 12.60	10.93	* 12.60	10.89	25.04
15			* 18.09	* 18.09	* 14.85	* 14.85	* 13.32	10.58	* 13.02	9.02	27.17
10			* 23.76	22.79	* 17.52	14.53	* 14.3	10.04	* 13.61	8.05	28.26
5			* 28.45	20.8	* 20.07	13.51	* 16.01	9.51	13.19	7.65	28.42
0	* 21.87	* 21.87	* 30.61	19.89	* 21.79	12.85	15.86	9.12	13.5	7.76	27.69
-5	* 35.09	* 35.09	* 30.60	19.71	* 22.29	12.58	15.7	8.98	14.81	8.48	25.98
-10	* 40.78	* 40.78	* 28.70	20	* 21.21	12.71			* 17.76	10.3	23.06
-15	* 33.53	* 33.53	* 24.11	20.8					* 19.30	15.16	18.37

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: Rating Over Front
: Rating Over Side or 360 degree

Lifting Capacity



Option 2

Boom : 6,245mm(20'6") Arm : 3,750mm(12'4") Bucket : SAE 1.03m³ HEAPED(CECE 0.9m³) Shoe : 600mm(24")

Metric

Unit : 1,000kg

A(m) / B(m)	2		3		4		5		6		7		8		9		Max. Reach		A(m)
8																	* 3.14	* 3.14	7.78
7															* 4.06	* 4.06	* 3.06	* 3.06	8.47
6															* 4.59	* 4.59	* 3.04	* 3.04	8.99
5													* 4.92	* 4.92	* 4.84	4.73	* 3.08	* 3.08	9.38
4									* 5.86	* 5.86	* 5.47	* 5.47	* 5.20	4.59	* 4.12	3.75	* 3.17	* 3.17	9.64
3			* 13.62	* 13.62	* 9.80	* 9.80	* 7.91	* 7.91	* 6.81	* 6.81	* 6.11	5.57	* 5.63	4.42	* 4.95	3.66	* 3.31	3	9.8
2			* 14.17	* 14.17	* 12.23	* 12.23	* 9.40	9.1	* 7.79	6.82	* 6.77	5.32	* 6.10	4.24	* 5.32	3.55	* 3.51	2.89	9.85
1			* 10.98	* 10.98	* 14.18	12.12	* 10.71	8.57	* 8.69	6.48	* 7.41	5.08	* 6.54	4.08	* 5.63	3.44	* 3.79	2.84	9.8
0	* 7.58	* 7.58	* 11.32	* 11.32	* 15.44	11.59	* 11.70	8.18	* 9.43	6.2	* 7.95	4.88	6.78	3.94	5.7	3.33	* 4.18	2.86	9.64
-1	* 9.53	* 9.53	* 12.76	* 12.76	* 16.10	11.3	* 12.35	7.93	* 9.96	6	8.24	4.74	6.66	3.84	5.6	3.23	* 4.72	2.96	9.37
-2	* 11.59	* 11.59	* 14.76	* 14.76	* 16.27	11.18	* 12.65	7.8	* 10.25	5.88	8.14	4.64	6.59	3.77	5.53	3.16	5.5	3.14	8.99
-3	* 13.85	* 13.85	* 17.27	* 17.27	* 16.01	11.18	* 12.60	7.76	* 10.27	5.84	8.1	4.61	6.58	3.76			6.04	3.45	8.47
-4	* 16.41	* 16.41	* 20.16	19.23	* 15.32	11.29	* 12.18	7.81	* 9.97	5.87	8.14	4.64					6.92	3.97	7.78
-5	* 19.41	* 19.41	* 18.30	* 18.30	* 14.09	11.5	* 11.29	7.95	* 9.21	5.99							* 7.70	4.89	6.88
-6	* 21.40	* 21.40	* 15.51	* 15.51	* 12.09	11.85	* 9.65	8.22									* 8.30	6.81	5.65

Feet

Unit : 1,000lb

A(ft) / B(ft)	10		15		20		25		30		Max. Reach		A(ft)
25							* 8.83	* 8.83			* 6.84	* 6.84	26.47
20							* 10.00	* 10.00			* 6.70	* 6.70	29.35
15							* 11.10	* 11.10	* 9.17	7.93	* 6.85	* 6.85	31.18
10	* 28.92	* 28.92	* 18.73	* 18.73	* 14.74	* 14.74	* 12.71	10.64	* 11.63	7.61	* 7.28	6.62	32.13
5	* 27.19	* 27.19	* 24.66	22.37	* 17.85	14.3	* 14.49	9.97	12.36	7.24	* 8.02	6.31	32.28
0	* 25.56	* 25.56	* 28.80	20.7	* 20.42	13.34	* 16.05	9.4	12.03	6.93	* 9.22	6.32	31.63
-5	* 30.80	* 30.80	* 30.70	19.91	* 21.96	12.76	15.76	9.04	11.83	6.75	* 11.23	6.7	30.14
-10	* 38.88	* 38.88	* 30.59	19.75	* 22.23	12.56	15.63	8.93			13.38	7.65	27.68
-15	* 41.70	41.48	* 28.38	20.08	* 20.79	12.75					* 16.47	9.76	23.93
-20	* 33.03	* 33.03	* 22.91	20.98							* 18.43	15.67	18.08

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: Rating Over Front
: Rating Over Side or 360 degree

Option 3

Boom : 10,000mm(32'10") Arm : 7,000mm(23') Bucket : SAE 0.64m³ HEAPED(CECE 0.55m³) Shoe : 800mm(31")

Metric

Unit : 1,000kg

A(m) / B(m)	2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		Max. Reach		A(m)
8																							* 2.22	* 2.22	* 2.15	2.14	* 1.37	* 1.37			* 0.94	* 0.94	15.37
7																							* 2.31	* 2.31	* 2.30	2.1	* 1.74	* 1.74			* 0.95	* 0.95	15.73
6																					* 2.46	* 2.46	* 2.41	2.41	* 2.38	2.04	* 2.04	1.73	* 0.97	* 0.97	* 0.96	* 0.96	16.01
5																			* 2.72	* 2.72	* 2.62	* 2.62	* 2.54	2.33	* 2.48	1.98	* 2.29	1.68	* 1.29	* 1.29	* 0.98	* 0.98	16.23
4															* 3.36	* 3.36	* 3.12	* 3.12	* 2.94	* 2.94	* 2.79	2.63	* 2.68	2.24	* 2.58	1.91	* 2.52	1.63	* 1.53	1.38	* 1.00	* 1.00	16.38
3			* 5.76	* 5.76	* 9.24	* 9.24	* 6.92	* 6.92	* 5.59	* 5.59	* 4.74	* 4.74	* 4.16	* 4.16	* 3.73	* 3.73	* 3.41	* 3.41	* 3.17	2.95	* 2.98	2.51	* 2.82	2.15	* 2.70	1.84	* 2.61	1.58	* 1.71	1.34	* 1.03	* 1.03	16.48
2			* 3.75	* 3.75	* 7.39	* 7.39	* 8.24	* 8.24	* 6.49	* 6.49	* 5.39	* 5.39	* 4.64	4.64	* 4.11	3.88	* 3.71	3.28	* 3.40	2.8	* 3.16	2.4	* 2.97	2.06	* 2.82	1.77	* 2.71	1.52	* 1.83	1.3	* 1.08	* 1.08	16.51
1			* 3.70	* 3.70	* 5.93	* 5.93	* 9.34	8.19	* 7.30	6.44	* 5.99	5.24	* 5.10	4.34	* 4.47	3.65	* 4.00	3.11	* 3.63	2.66	* 3.35	2.29	* 3.13	1.97	* 2.95	1.7	2.7	1.47	* 1.88	1.26	* 1.13	* 1.13	16.47
0			* 4.12	* 4.12	* 5.70	* 5.70	* 8.41	7.65	* 7.96	6.01	* 6.52	4.9	* 5.52	4.08	* 4.80	3.45	* 4.27	2.94	* 3.85	2.53	* 3.53	2.18	* 3.27	1.89	2.98	1.64	2.65	1.42	* 1.85	1.23	* 1.19	1.16	16.38
-1	* 4.06	* 4.06	* 4.66	* 4.66	* 5.92	* 5.92	* 8.05	7.3	* 8.48	5.7	* 6.96	4.64	* 5.88	3.87	* 5.10	3.28	* 4.51	2.8	* 4.06	2.41	* 3.70	2.09	3.29	1.81	2.92	1.58	2.6	1.37	* 1.70	1.2	* 1.27	1.16	16.23
-2	* 4.69	* 4.69	* 5.25	* 5.25	* 6.34	* 6.34	* 8.16	7.09	* 8.84	5.49	* 7.29	4.45	* 6.18	3.7	* 5.35	3.13	* 4.72	2.69	4.16	2.32	3.65	2.01	3.23	1.75	2.87	1.53	2.57	1.34	* 1.38	1.17	* 1.36	1.17	16.01
-3	* 5.32	* 5.32	* 5.88	* 5.88	* 6.89	* 6.89	* 8.53	6.98	* 9.09	5.36	* 7.54	4.31	* 6.41	3.58	5.46	3.03	4.69	2.59	4.08	2.24	3.58	1.95	3.17	1.7	2.83	1.49	2.54	1.31			* 1.48	1.2	15.72
-4	* 5.96	* 5.96	* 6.54	* 6.54	* 7.52	* 7.52	* 9.08	6.93	* 9.22	5.28	* 7.70	4.23	6.39	3.5	5.38	2.95	4.62	2.52	4.02	2.18	3.53	1.9	3.13	1.66	2.8	1.46	* 2.46	1.29			* 1.62	1.24	15.36
-5	* 6.62	* 6.62	* 7.23	* 7.23	* 8.23	* 8.23	* 9.77	6.94	* 9.25	5.26	7.75	4.19	6.34	3.45	5.33	2.9	4.57	2.48	3.98	2.15	3.5	1.87	3.11	1.64	2.79	1.45					* 1.80	1.31	14.93
-6	* 7.31	* 7.31	* 7.97	* 7.97	* 9.00	* 9.00	* 10.58	6.99	* 9.39	5.27	7.74	4.18	6.32	3.43	5.31	2.88	4.55	2.46	3.96	2.13	3.49	1.86	3.11	1.64	2.8	1.46					* 2.03	1.4	14.41
-7	* 8.03	* 8.03	* 8.76	* 8.76	* 9.86	* 9.86	* 10.88	7.08	* 9.04	5.32	* 7.67	4.21	6.34	3.45	5.32	2.89	4.56	2.47	3.97	2.14	3.5	1.87											
-8	* 8.79	* 8.79	* 9.61	* 9.61	*	10.45	* 10.51	7.21	* 8.78	5.41	* 7.49	4.27	6.38	3.49	5.35	2.92	4.59	2.5	4	2.16	3.54	1.9											
-9	* 9.60	* 9.60	* 10.53	* 10.53	10.82	10.69	* 10.00	7.37	* 8.40	5.53	* 7.20	4.36	* 6.25	3.56	5.42	2.99	4.65	2.55	4.06	2.22	3.61	1.97											
-10	*	*	* 11.55	* 11.55	* 11.89	10.99	* 9.32	7.58	* 7.87	5.69	* 6.77	4.49	* 5.89	3.67	* 5.15	3.08	* 4.52	2.65	* 3.94	2.32													
-11	10.47	10.47	* 12.67	* 12.67	* 11.35	* 10.19	* 8.43	7.84	* 7.16	5.89	* 6.17	4.66																					
-12	* 11.39	* 11.39	* 10.83	* 10.83	* 10.19	* 8.68	* 7.25	* 7.25	* 6.18	6.16	* 5.30	4.89																					
-13					* 8.68			* 4.76	* 4.76																								

Feet

Unit : 1,000lb

A(ft) / B(ft)	10		15		20		25		30		35		40		45		50		Max. Reach		A(ft)
30															* 4.32	* 4.32			* 2.09	* 2.09	48.77
25															* 4.98	4.92	* 2.81	* 2.81	* 2.08	* 2.08	50.91
20															* 5.24	4.74	* 3.98	3.66	* 2.11	* 2.11	52.44
15													* 5.37	* 5.37	* 5.60	4.51	* 4.85	3.52	* 2.17	* 2.17	53.49
10	* 13.85	* 13.85	* 16.88	* 16.88	* 12.01	* 12.01	* 9.54	* 9.54			* 6.30	* 6.30	* 5.89	5.76	* 6.01	4.25	* 5.56	3.35	* 2.27	* 2.27	54.04
5	* 8.22	* 8.22	* 19.74	* 19.74	* 14.88	14.49	* 11.34	10.63	* 8.08	8.08	* 7.12	6.87	* 6.47	5.39	* 6.45	4	5.85	3.18	* 2.42	* 2.42	54.13
0	* 9.21	* 9.21	* 15.58	* 15.58	* 17.19	12.99	* 12.92	9.63	* 9.28	8.11	* 7.97	6.34	* 7.08	5.02	6.81	3.76	5.68	3.02	* 2.63	2.56	53.75
-5	* 11.04	* 11.04	* 15.68	* 15.68	* 18.77	12.04	* 14.16	8.9	* 10.40	7.43	* 8.77	5.86	* 7.66	4.68	6.59	3.55	5.54	2.89	* 2.90	2.56	52.89
-10	* 13.11	* 13.11	* 17.11	* 17.11	* 19.67	11.53	* 15.01	8.44	* 11.33	6.89	* 9.47	5.46	7.94	4.39	6.44	3.4	* 5.43	2.8	* 3.27	2.64	51.53
-15	* 15.36	* 15.36	* 19.21	17.61	* 20.03	11.33	15.06	8.19	11.76	6.51	9.4	5.17	7.71	4.18	6.35	3.32			* 3.78	2.81	49.62
-20	* 17.82	* 17.82	* 21.84	17.83	* 19.90	11.35	14.99	8.13	11.52	6.29	9.21	4.99	7.57	4.04							
-25	* 20.55	* 20.55	* 25.03	18.25	* 19.28	11.56	15.1	8.23	11.43	6.21	9.13	4.92	7.52	4							
-30	* 23.65	* 23.65	* 23.72	18.88	* 18.09	11.93	* 14.41	8.49	11.49	6.26	9.18	4.97	7.59	4.06							
-35	* 27.24	* 27.24	* 20.87	19.76	* 16.12	12.51	* 12.90	8.92	11.7	6.46	9.37	5.15									

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4. RATED LOADS DO NOT EXCEED 87% OF HYD. CAPACITY OR 75% OF TIPPING CAPACITY.

: Rating Over Front
: Rating Over Side or 360 degree



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